



## Transparency requirements §28 PfandBG Q2/2024

NORD/LB Floor Research

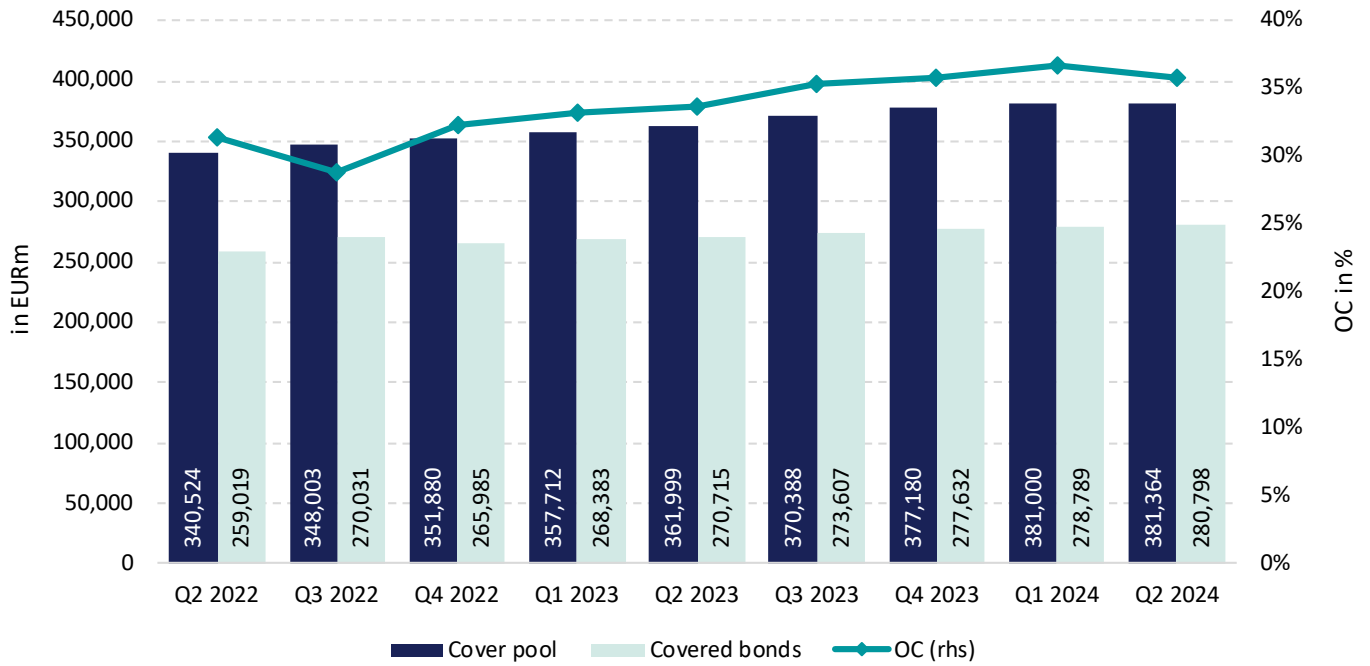
# Agenda

Authors: Alexander Grenner // Dr Frederik Kunze // Lukas Kühne

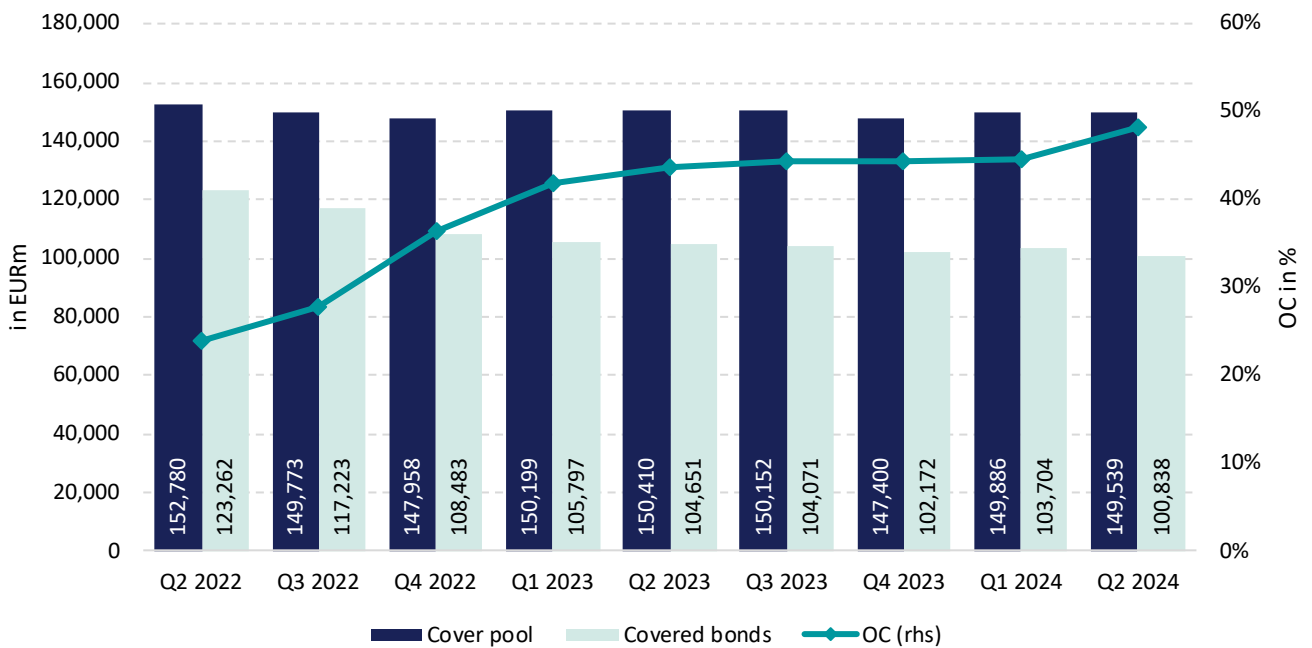
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## Market Overview

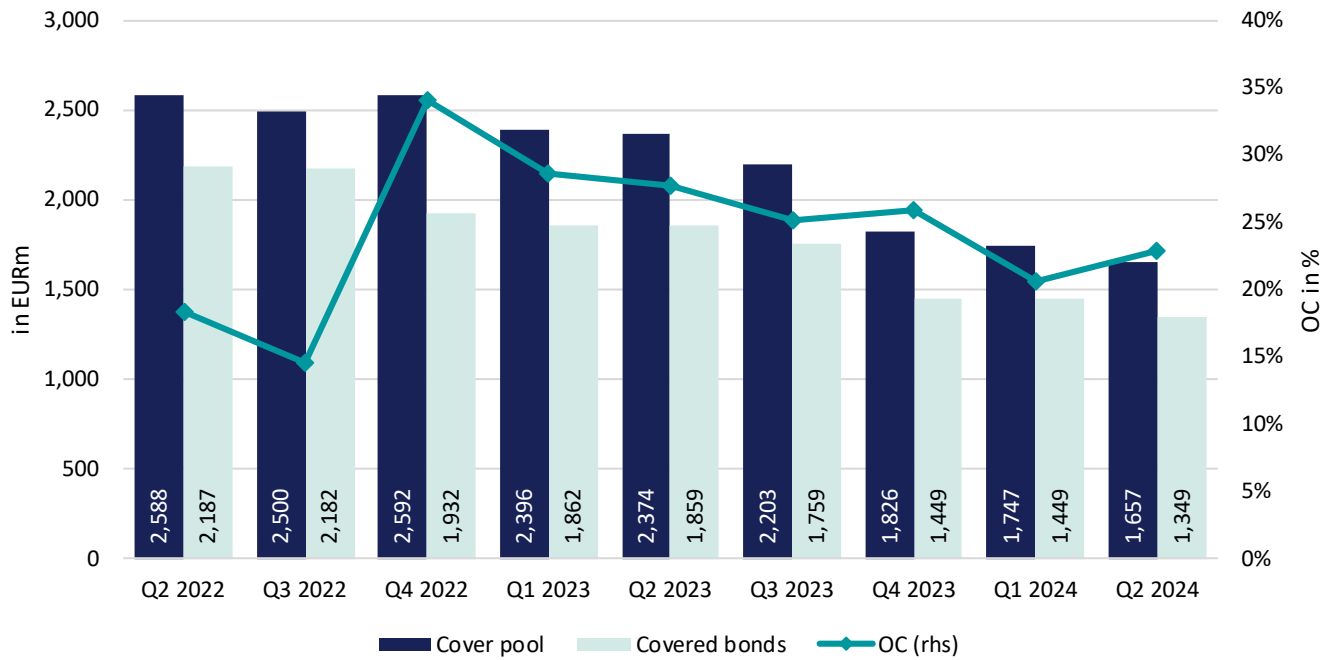
### Market development: mortgage covered bonds



### Market development: public sector covered bonds



## Market development: ship covered bonds



Source: vdp, NORD/LB Floor Research

## Market overview: mortgage covered bonds

Issuer	Cover pool in EURm	Pfandbrief volume in EURm	OC		Cover type (in %)			DE share (in %) Primary assets
			in EURm	in %	Residential	Commercial	Others	
Aareal Bank	17,057	14,611	2,446	16.7	9.0%	86.9%	4.1%	8.0%
ALTE LEIPZIGER Bauspar	74	15	59	390.5	97.3%	0.0%	2.7%	100.0%
Bausparkasse Mainz	253	189	64	34.0	96.0%	0.0%	4.0%	100.0%
Bausparkasse Schwäbisch Hall	6,318	4,104	2,214	53.9	97.5%	0.0%	2.5%	100.0%
BayernLB	11,239	8,621	2,618	30.4	12.1%	80.2%	7.7%	53.8%
BBBank	76	40	36	90.7	90.8%	0.0%	9.2%	100.0%
Berlin Hyp	18,823	17,935	888	4.9	32.5%	62.1%	5.3%	65.3%
Commerzbank	43,399	30,631	12,768	41.7	94.6%	1.8%	3.7%	100.0%
DekaBank	1,294	931	363	39.0	0.0%	82.6%	17.4%	54.2%
apoBank	8,375	4,207	4,168	99.1	76.8%	17.5%	5.7%	100.0%
Deutsche Bank	15,647	13,079	2,568,8	19.6	90.0%	5.9%	4.0%	100.0%
DKB	9,615	3,921	5,694	145.2	88.8%	2.2%	8.9%	100.0%
DZ HYP	41,274	35,171	6,104	17.4	57.0%	40.3%	2.7%	96.1%
Hamburger Sparkasse	8,618	5,504	3,114	56.6	67.0%	28.9%	4.1%	100.0%
Evangelische Bank	235	112	123	109.8	52.9%	37.8%	9.4%	100.0%
Helaba	15,886	9,158	6,728	73.5	32.1%	62.5%	5.4%	51.7%
Hamburg Commercial Bank	2,987	2,500	487	19.5	18.6%	75.2%	6.2%	87.5%
ING-DiBa	15,973	11,305	4,668	41.3	93.5%	0.0%	6.5%	100.0%
Kreissparkasse Köln	6,635	885	5,751	650.2	87.2%	11.3%	1.5%	100.0%
Landesbank Berlin	6,827	3,809	3,018	79.2	65.6%	28.4%	6.0%	100.0%
LBBW	18,328	13,979	4,348	31.1	44.3%	50.7%	4.9%	84.4%
LIGA Bank eG	329	161	168	104.6	97.0%	0.0%	3.0%	100.0%
Münchener Hypothekenbank	37,621	35,361	2,260	6.4	78.2%	17.9%	3.9%	81.1%
Natixis Pfandbriefbank	1,693	1,291	402	31.1	9.4%	76.7%	13.9%	42.8%
NORD/LB	13,809	8,646	5,164	59.7	33.2%	63.3%	3.5%	62.5%
Oldenburgische Landesbank	1,736	1,481	255	17.2	88.2%	1.7%	10.1%	100.0%
Deutsche Pfandbriefbank	19,751	15,233	4,518	29.7	17.4%	79.2%	3.4%	42.1%
PSD Bank Nürnberg	1,318	726	593	81.7	98.1%	0.0%	1.9%	100.0%
PSD Bank Rhein-Ruhr	923	584	339	58.0	97.6%	0.0%	2.4%	100.0%
SaarLB	1,272	668	603	90.3	1.7%	94.1%	4.2%	64.4%
Santander Consumer Bank	1,790	1,025	765	74.6	70.9%	0.0%	29.1%	100.0%
Sparda-Bank Südwest	353	90	263	292.6	93.1%	0.0%	6.9%	100.0%
Sparkasse Hannover	3,051	2,159	893	41.3	80.5%	14.9%	4.6%	100.0%
Stadtsparkasse Düsseldorf	1,781	1,136	645	56.7	71.9%	22.8%	5.3%	100.0%
Sparkasse KölnBonn	8,259	1,292	6,967	539.3	72.1%	21.1%	6.8%	100.0%
UniCredit Bank	34,394	26,779	7,615	28.4	69.0%	27.9%	3.1%	100.0%
Wüstenrot Bausparkasse	4,350	3,461	889	25.7	87.5%	2.4%	10.1%	100.0%

Source: vdp, Deutsche Bank, NORD/LB Floor Research

## Market overview: public sector covered bonds

Issuer	Cover pool in EURm	Pfandbrief volume in EURm	OC		Cover type					DE share
			in EURm	in %	Central government	Regional authorities	Local authorities	Other debtors	Others	Primary assets
Aareal Bank	1,122	1,000	122	12.2	21.0%	58.2%	19.3%	1.4%	0.0%	75.0%
BayernLB	23,800	13,629	10,171	74.6	6.6%	36.5%	45.9%	7.6%	3.3%	96.4%
Berlin Hyp	167	131	36	27.8	29.9%	70.1%	0.0%	0.0%	0.0%	70.1%
Commerzbank	16,972	9,198	7,773	84.5	19.6%	19.5%	49.9%	11.0%	0.0%	79.3%
DekaBank	3,755	2,834	921	32.5	7.1%	4.0%	63.6%	22.3%	3.0%	89.2%
Deutsche Bank	122	90	32	35.6	93.0%	0.0%	0.0%	0.0%	7.0%	0.0%
DKB	6,350	2,248	4,102	182.5	0.0%	9.5%	65.7%	24.8%	0.0%	100.0%
Deutsche Pfandbriefbank	8,864	7,619	1,245	16.3	47.8%	29.6%	10.7%	11.9%	0.0%	24.7%
DZ HYP	11,491	8,982	2,509	27.9	8.0%	18.4%	68.8%	4.7%	0.0%	87.9%
Hamburg Commercial Bank	669	601	68	11.2	36.2%	56.5%	7.3%	0.0%	0.0%	54.1%
Kreissparkasse Köln	283	153	130	84.4	26.9%	0.0%	48.9%	24.2%	0.0%	89.0%
LBBW	13,938	11,377	2,561	22.5	22.9%	20.5%	45.1%	11.5%	0.0%	90.6%
Landesbank Berlin	767	300	467	155.8	0.0%	20.7%	0.8%	78.5%	0.0%	100.0%
Helaba	31,475	18,816	12,660	67.3	4.8%	36.5%	58.0%	0.7%	0.0%	95.0%
LIGA Bank	264	127	137	108.0	0.0%	4.2%	95.8%	0.0%	0.0%	100.0%
Münchener Hypothekenbank	1,280	1,170	111	9.5	9.4%	72.2%	11.7%	6.6%	0.0%	87.9%
NORD/LB	13,442	11,928	1,513	12.7	7.0%	18.8%	48.3%	22.5%	3.4%	89.3%
SaarLB	4,885	3,840	1,045	27.2	1.8%	5.1%	80.5%	12.6%	0.0%	62.1%
Sparkasse Hannover	1,733	846	887	104.8	3.0%	10.2%	76.1%	8.9%	1.8%	96.1%
Stadtsparkasse Düsseldorf	84	20	64	321.7	0.0%	0.0%	62.7%	37.3%	0.0%	100.0%
UniCredit Bank	8,074	5,928	2,146	36.2	15.7%	35.5%	48.4%	0.4%	0.0%	94.5%

Source: vdp, Deutsche Bank, NORD/LB Floor Research

**Market overview: ship covered bonds**

Issuer	Cover pool	Pfandbrief volume	OC	
	in EURm	in EURm	in EURm	in %
Commerzbank	77	49	28	56.1
Hamburg Commercial Bank	1,581	1,300	281	21.6

Source: vdp, NORD/LB Floor Research

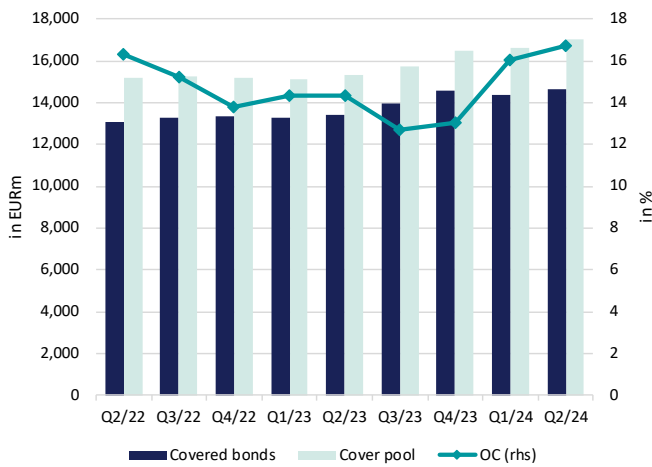
## Aareal Bank

## Mortgage

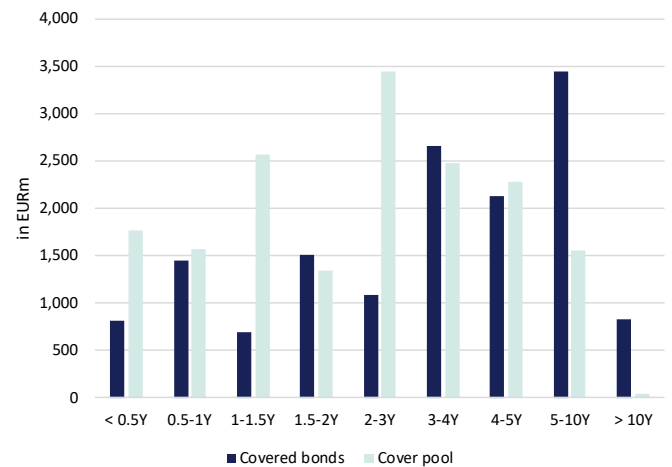
### Cover pool data

Cover pool (EURm)	17,056.8	Number of loans	3,016
of which residential	9.0%	Number of borrowers	4,884
of which commercial	86.9%	Number of properties	3,094
of which substitution assets	4.1%	Avg. exposure to borrowers (EUR)	3,349,046
of which derivatives	0.0%	Share of 10 largest borrowers	16.4%
Covered bonds (EURm)	14,610.5	Share of owner-occupied dwellings	0.6%
OC (EURm)	2,446.3	Share of multi-family houses	8.6%
OC	16.7%	EUR share (Cover pool)	79.8%
Fixed interest (Cover pool)	51.8%	EUR share (Covered bonds)	89.5%
Fixed interest (Covered bonds)	68.7%	Largest FX position (NPV in EURm)	GBP (1,139.3)
WAL (Cover pool)	2.5y	Share of largest exposure tranche	89.7% (> EUR 10m)
WAL (Covered Bonds)	3.9y	Avg. seasoning	4.7y
Avg. LTV (Original value)	55.6%	Loans in arrears (>90 days)	0.00%
Avg. LTV (Market value)	n/a		

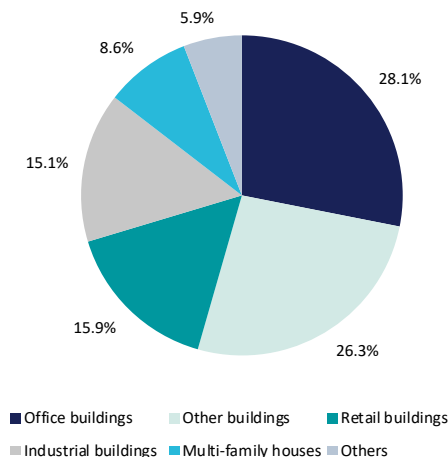
### Development of cover pool data



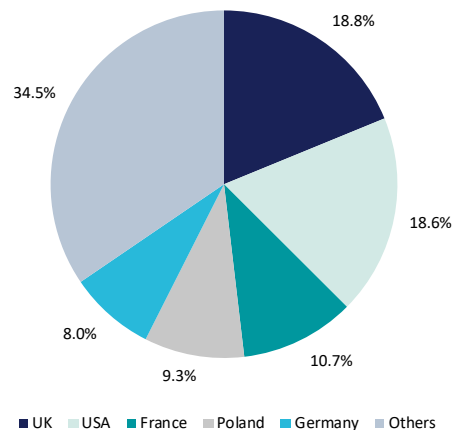
### Maturity structure



### Composition of cover pool



### Regional distribution of properties





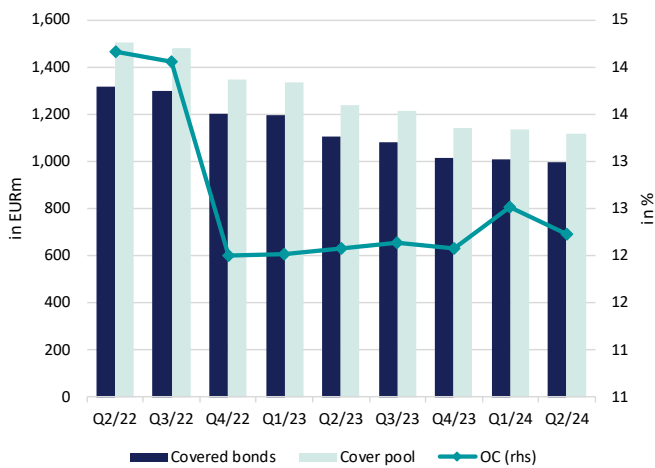
## Aareal Bank

### Cover pool data

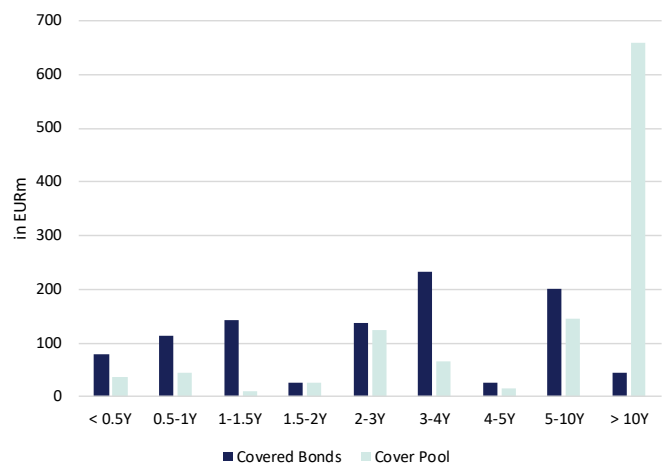
Cover pool (EURm)	1,122.0	Number of loans	133
of which substitution assets	0.0%	Number of borrowers	76
of which derivatives	0.0%	Share of 10 largest borrowers	82.1%
Covered bonds (EURm)	999.8	Avg. exposure to borrowers (EUR)	14,762,736
OC (EURm)	122.2	EUR share (Cover pool)	100.0%
OC	12.2%	EUR share (Covered bonds)	100.0%
Fixed interest (Cover pool)	94.6%	Largest FX position (NPV in EURm)	-
Fixed interest (Covered bonds)	97.5%	Share of largest exposure tranche	57.7% (> EUR 100m)
WAL (Cover pool)	8.5y	Loans in arrears (>90 days)	0.00%
WAL (Covered Bonds)	3.9y		

## Public sector

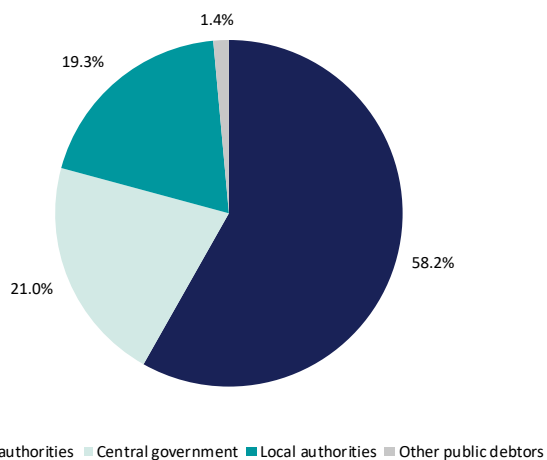
### Development of cover pool data



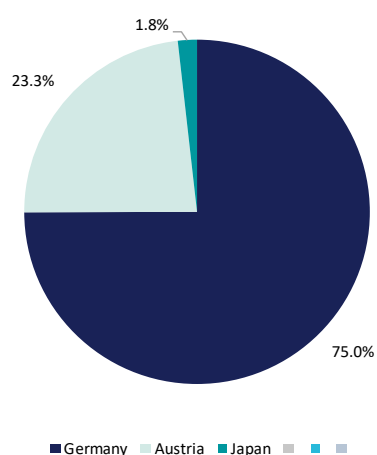
### Maturity structure



### Composition of primary assets



### Regional distribution of claims



Source: vdp, NORD/LB Floor Research

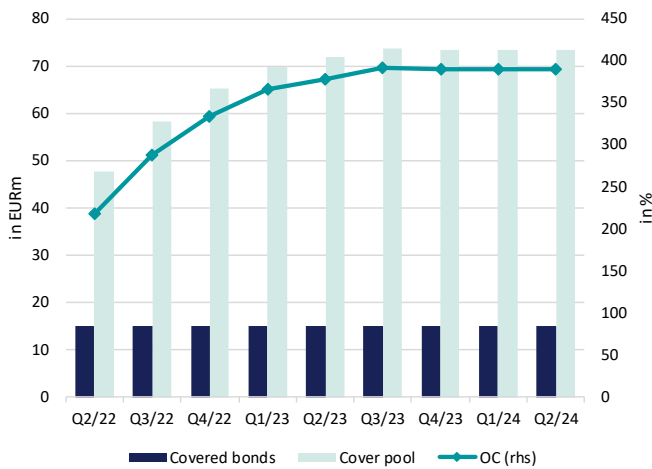
## ALTE LEIPZIGER Bauspar

## Mortgage

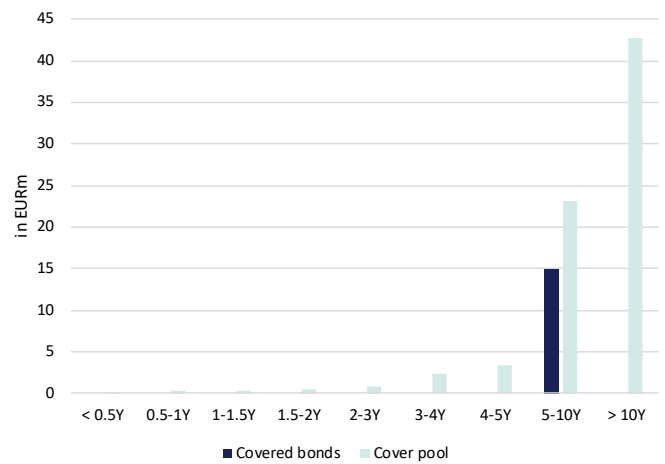
### Cover pool data

Cover pool (EURm)	73.6	Number of loans	n/a
of which residential	97.3%	Number of borrowers	n/a
of which commercial	0.0%	Number of properties	n/a
of which substitution assets	2.7%	Avg. exposure to borrowers (EUR)	n/a
of which derivatives	0.0%	Share of 10 largest borrowers	n/a
Covered bonds (EURm)	15.0	Share of owner-occupied dwellings	0.0%
OC (EURm)	58.6	Share of multi-family houses	1.7%
OC	390.5%	EUR share (Cover pool)	n/a
Fixed interest (Cover pool)	100.0%	EUR share (Covered bonds)	n/a
Fixed interest (Covered bonds)	100.0%	Largest FX position (NPV in EURm)	-
WAL (Cover pool)	n/a	Share of largest exposure tranche	92.2% (< EUR 0.3m)
WAL (Covered Bonds)	n/a	Avg. seasoning	3.5y
Avg. LTV (Original value)	56.5%	Loans in arrears (>90 days)	0.00%
Avg. LTV (Market value)	n/a		

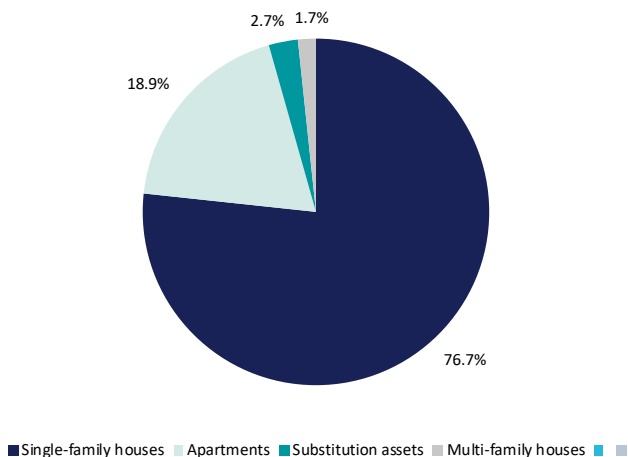
### Development of cover pool data



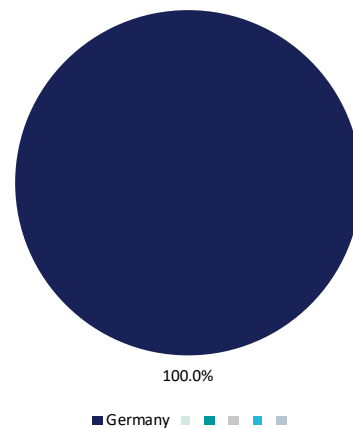
### Maturity structure



### Composition of cover pool



### Regional distribution of properties



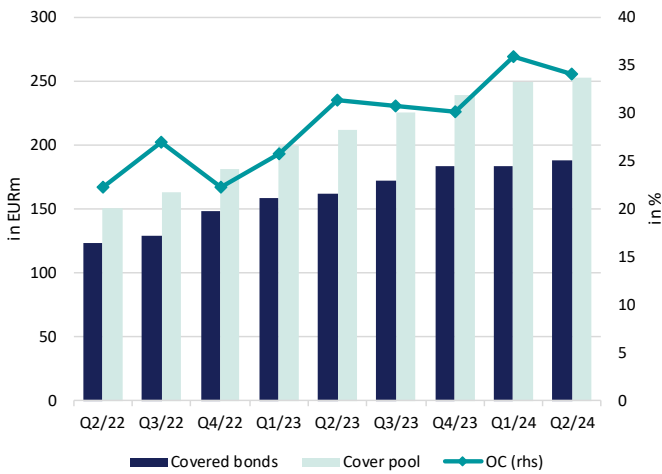
## Bausparkasse Mainz

## Mortgage

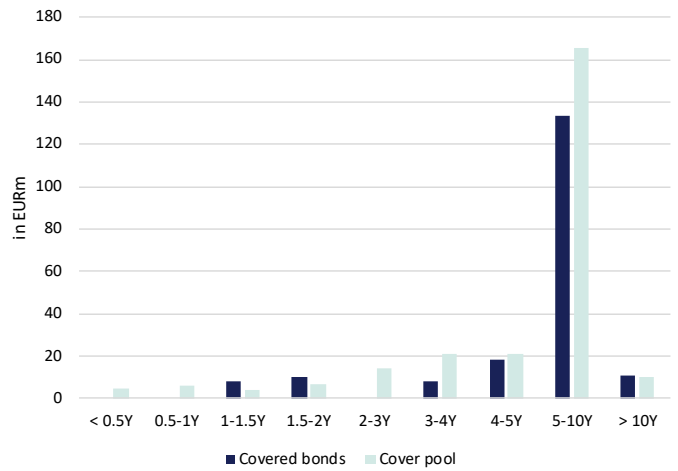
### Cover pool data

Cover pool (EURm)	252.9	Number of loans	n/a
of which residential	96.0%	Number of borrowers	n/a
of which commercial	0.0%	Number of properties	n/a
of which substitution assets	4.0%	Avg. exposure to borrowers (EUR)	n/a
of which derivatives	0.0%	Share of 10 largest borrowers	n/a
Covered bonds (EURm)	188.7	Share of owner-occupied dwellings	n/a
OC (EURm)	64.2	Share of multi-family houses	n/a
OC	34.0%	EUR share (Cover pool)	n/a
Fixed interest (Cover pool)	100.0%	EUR share (Covered bonds)	n/a
Fixed interest (Covered bonds)	100.0%	Largest FX position (NPV in EURm)	-
WAL (Cover pool)	n/a	Share of largest exposure tranche	96.2% (< EUR 0.3m)
WAL (Covered Bonds)	n/a	Avg. seasoning	3.0y
Avg. LTV (Original value)	54.1%	Loans in arrears (>90 days)	0.00%
Avg. LTV (Market value)	n/a		

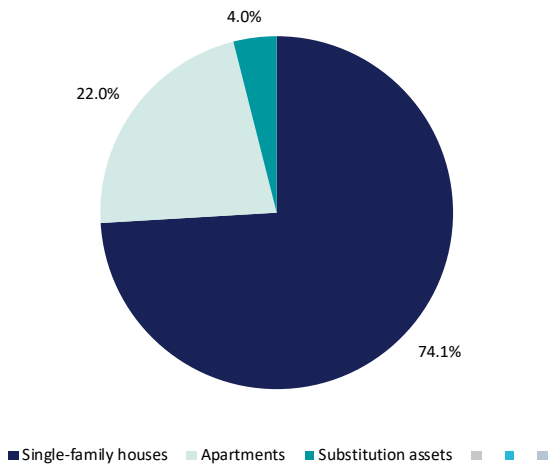
### Development of cover pool data



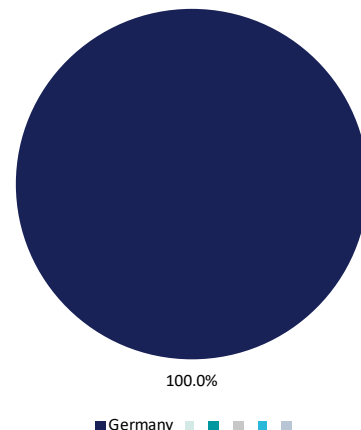
### Maturity structure



### Composition of cover pool



### Regional distribution of properties



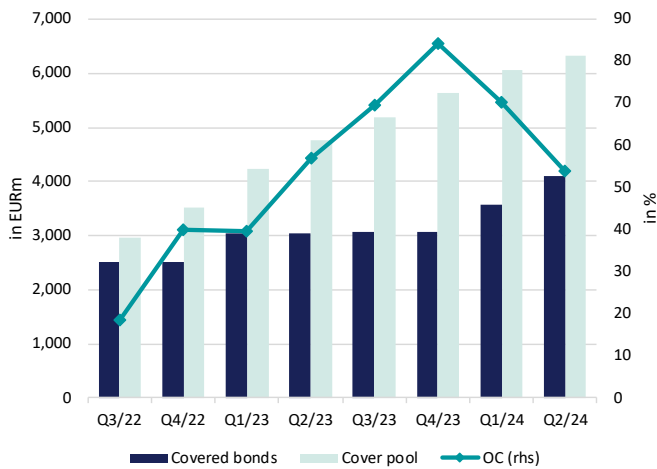
## Bausparkasse Schwäbisch Hall

## Mortgage

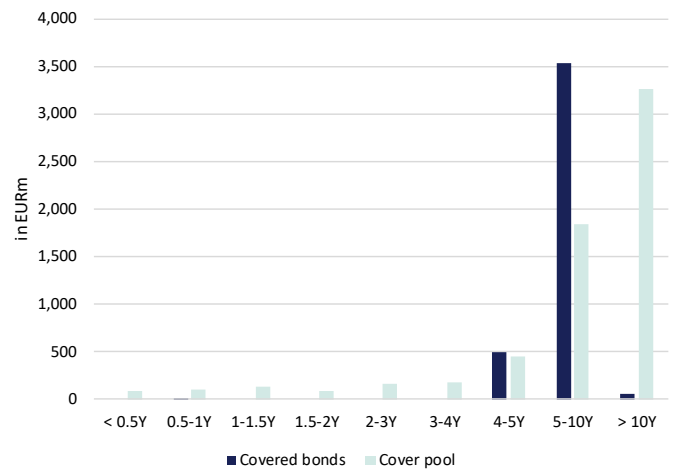
### Cover pool data

Cover pool (EURm)	6,317.8	Number of loans	42,248
of which residential	97.5%	Number of borrowers	64,086
of which commercial	0.0%	Number of properties	38,376
of which substitution assets	2.5%	Avg. exposure to borrowers (EUR)	96,110
of which derivatives	0.0%	Share of 10 largest borrowers	0.3%
Covered bonds (EURm)	4,104.0	Share of owner-occupied dwellings	84.8%
OC (EURm)	2,213.8	Share of multi-family houses	3.6%
OC	53.9%	EUR share (Cover pool)	100.0%
Fixed interest (Cover pool)	100.0%	EUR share (Covered bonds)	100.0%
Fixed interest (Covered bonds)	100.0%	Largest FX position (NPV in EURm)	-
WAL (Cover pool)	10.4y	Share of largest exposure tranche	80.1% (< EUR 0.3m)
WAL (Covered Bonds)	7.6y	Avg. seasoning	3.0y
Avg. LTV (Original value)	49.5%	Loans in arrears (>90 days)	0.00%
Avg. LTV (Market value)	n/a		

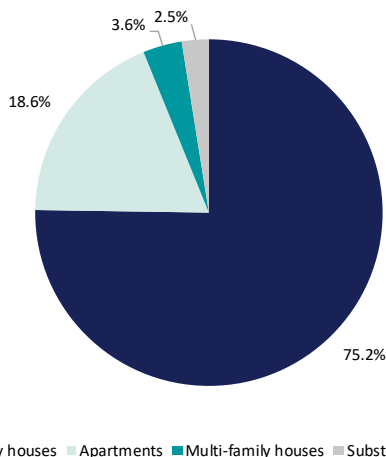
### Development of cover pool data



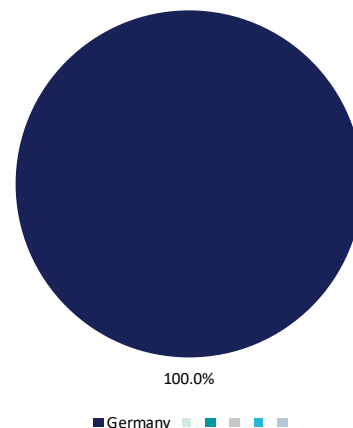
### Maturity structure



### Composition of cover pool



### Regional distribution of properties



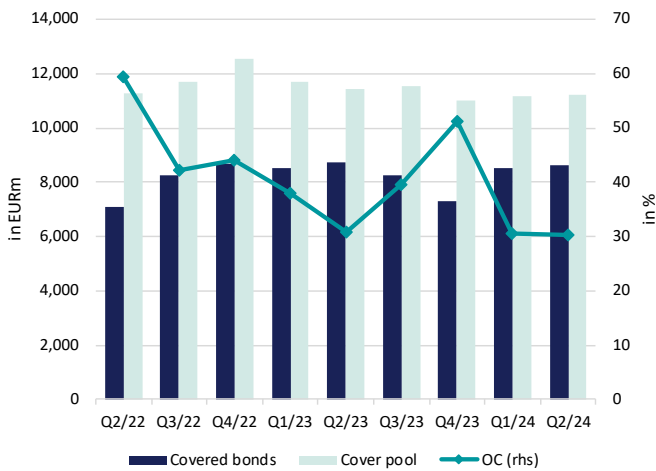
## BayernLB

## Mortgage

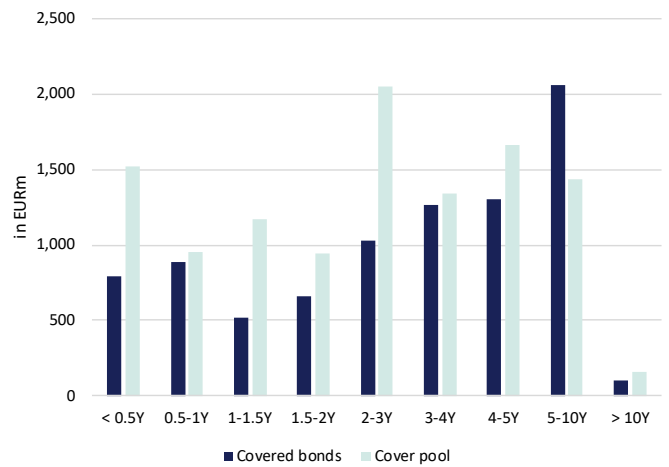
### Cover pool data

Cover pool (EURm)	11,239.4	Number of loans	580
of which residential	12.1%	Number of borrowers	448
of which commercial	80.2%	Number of properties	1,103
of which substitution assets	7.7%	Avg. exposure to borrowers (EUR)	23,158,186
of which derivatives	0.0%	Share of 10 largest borrowers	12.0%
Covered bonds (EURm)	8,621.4	Share of owner-occupied dwellings	0.3%
OC (EURm)	2,618.0	Share of multi-family houses	11.7%
OC	30.4%	EUR share (Cover pool)	89.0%
Fixed interest (Cover pool)	72.6%	EUR share (Covered bonds)	94.4%
Fixed interest (Covered bonds)	74.2%	Largest FX position (NPV in EURm)	USD (555.8)
WAL (Cover pool)	2.9y	Share of largest exposure tranche	88.3% (> EUR 10m)
WAL (Covered Bonds)	3.5y	Avg. seasoning	4.6y
Avg. LTV (Original value)	57.8%	Loans in arrears (>90 days)	0.00%
Avg. LTV (Market value)	n/a		

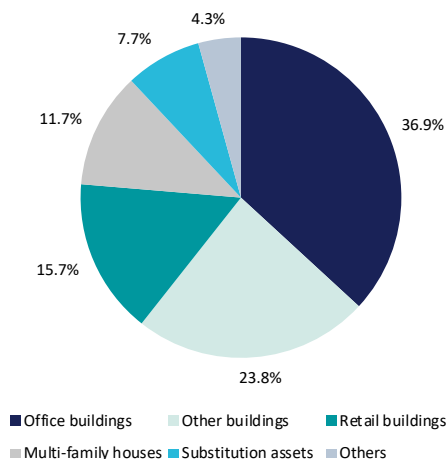
### Development of cover pool data



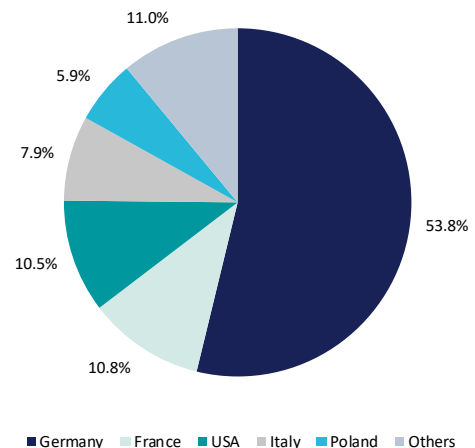
### Maturity structure



### Composition of cover pool



### Regional distribution of properties



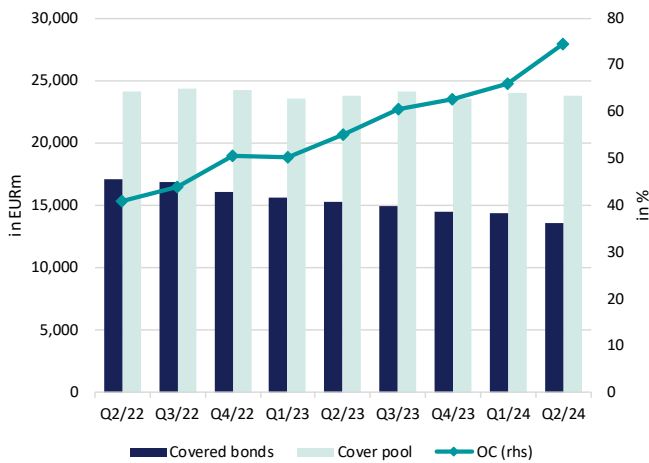
## BayernLB

## Public sector

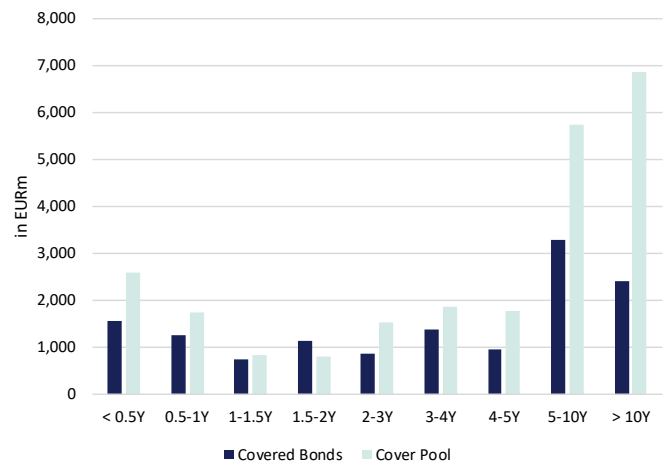
### Cover pool data

Cover pool (EURm)	23,800.2	Number of loans	75,441
of which substitution assets	3.3%	Number of borrowers	48,628
of which derivatives	0.0%	Share of 10 largest borrowers	21.3%
Covered bonds (EURm)	13,629.4	Avg. exposure to borrowers (EUR)	473,239
OC (EURm)	10,170.8	EUR share (Cover pool)	99.4%
OC	74.6%	EUR share (Covered bonds)	94.3%
Fixed interest (Cover pool)	93.9%	Largest FX position (NPV in EURm)	GBP (-681.6)
Fixed interest (Covered bonds)	97.6%	Share of largest exposure tranche	58.4% (> EUR 100m)
WAL (Cover pool)	7.8y	Loans in arrears (>90 days)	0.04%
WAL (Covered Bonds)	5.7y		

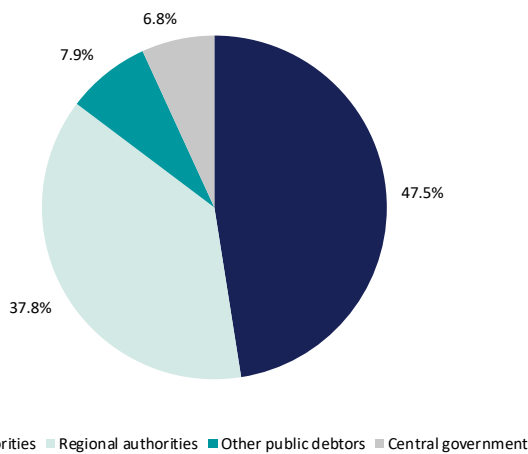
### Development of cover pool data



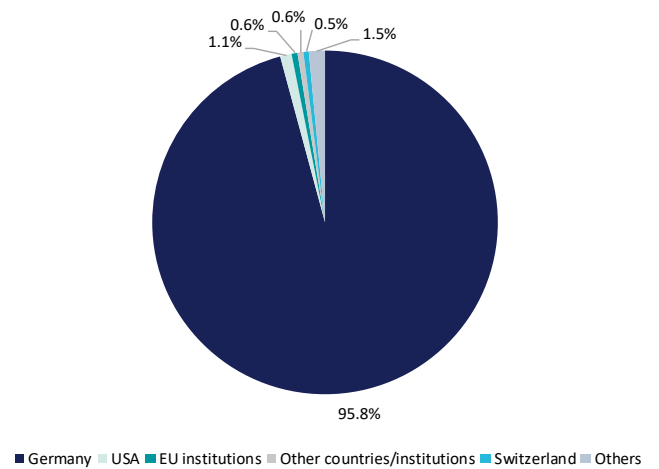
### Maturity structure



### Composition of primary assets



### Regional distribution of claims



Source: vdp, NORD/LB Floor Research

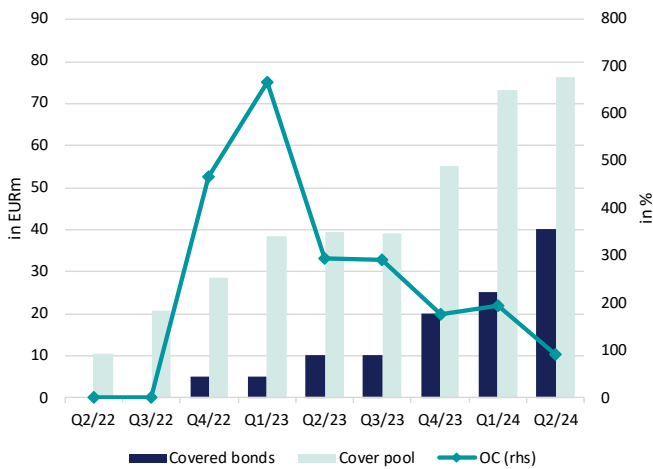
## BBBank

## Mortgage

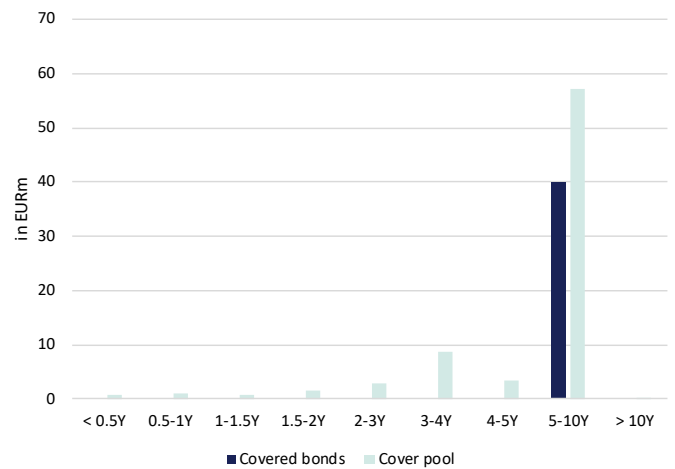
### Cover pool data

Deckungsmasse (EURm)	76.3	Anzahl der Kredite	535
davon wohnwirtschaftlich	90.8%	Anzahl der Kreditnehmer	511
davon gewerblich	0.0%	Anzahl der Objekte	518
davon Ersatzdeckung	9.2%	Ø Darlehensbetrag pro Kreditnehmer (EUR)	135,538
davon Derivate	0.0%	Anteil der 10 größten Kreditnehmer	4.6%
Pfandbriefvolumen (EURm)	40.0	Anteil selbstgenutztes Wohneigentum	71.1%
Überdeckung (EURm)	36.3	Anteil Mehrfamilienhäuser	0.5%
Überdeckungsquote	90.7%	EUR-Anteil (Deckungsmasse)	100.0%
Anteil festverzinsliche Deckungsmasse	0.0%	EUR-Anteil (Pfandbriefe)	100.0%
Anteil festverzinsliche Pfandbriefe	100.0%	Größte FX-Position (NPV in EURm)	-
WAL (Deckungsmasse)	6.6y	Anteil der größten Forderungsklasse	95.1% (< EUR 0.3m)
WAL (Pfandbriefe)	7.5y	Ø Alter der Forderungen (Seasoning)	2.6y
Ø LTV (Ursprungswert)	53.3%	Rückständige Kredite (>90 Tage)	0.00%
Ø LTV (Marktwert)	n/a		

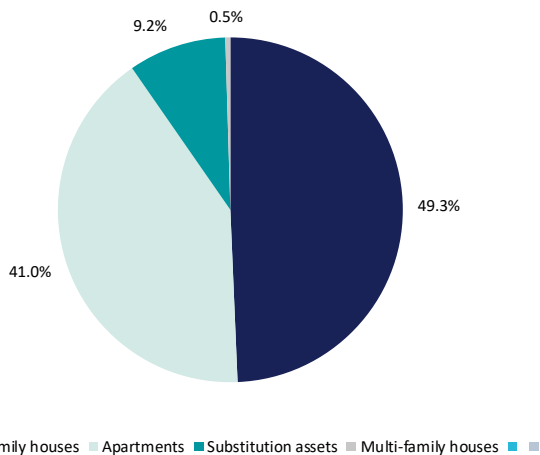
### Development of cover pool data



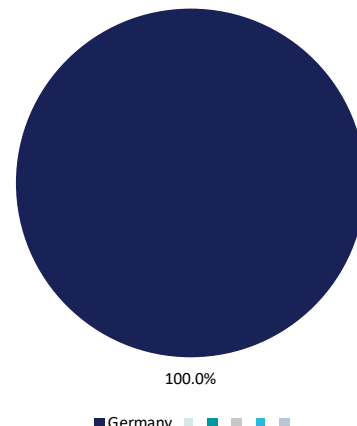
### Maturity structure



### Composition of cover pool



### Regional distribution of properties



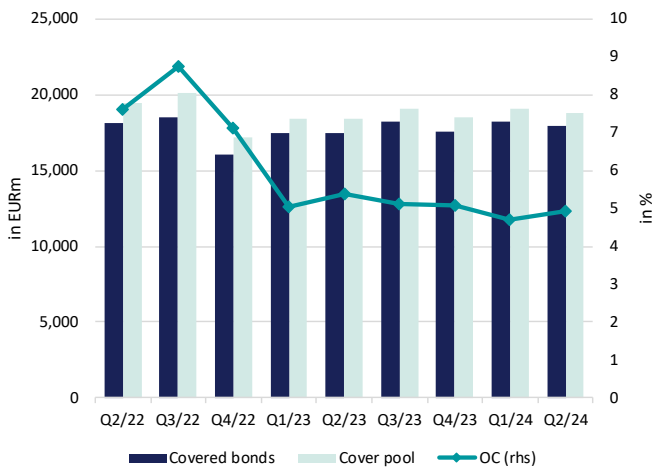
## Berlin Hyp

### Cover pool data

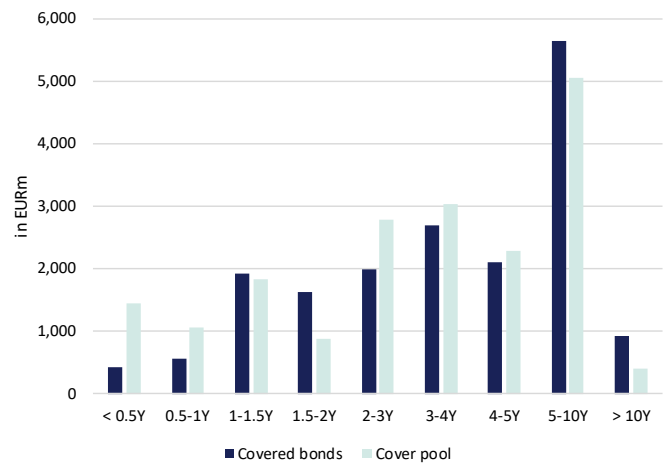
Cover pool (EURm)	18,823.0	Number of loans	1,334
of which residential	32.5%	Number of borrowers	1,244
of which commercial	62.1%	Number of properties	4,738
of which substitution assets	5.3%	Avg. exposure to borrowers (EUR)	14,323,547
of which derivatives	0.0%	Share of 10 largest borrowers	17.9%
Covered bonds (EURm)	17,935.2	Share of owner-occupied dwellings	0.0%
OC (EURm)	887.8	Share of multi-family houses	31.1%
OC	4.9%	EUR share (Cover pool)	100.0%
Fixed interest (Cover pool)	75.3%	EUR share (Covered bonds)	98.8%
Fixed interest (Covered bonds)	97.1%	Largest FX position (NPV in EURm)	CHF (-237.9)
WAL (Cover pool)	3.9y	Share of largest exposure tranche	87.5% (> EUR 10m)
WAL (Covered Bonds)	5.2y	Avg. seasoning	4.6y
Avg. LTV (Original value)	57.3%	Loans in arrears (>90 days)	0.00%
Avg. LTV (Market value)	n/a		

## Mortgage

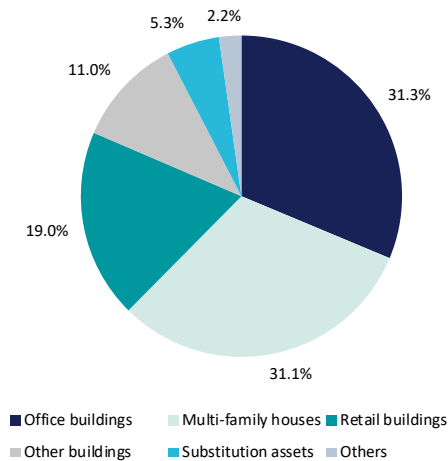
### Development of cover pool data



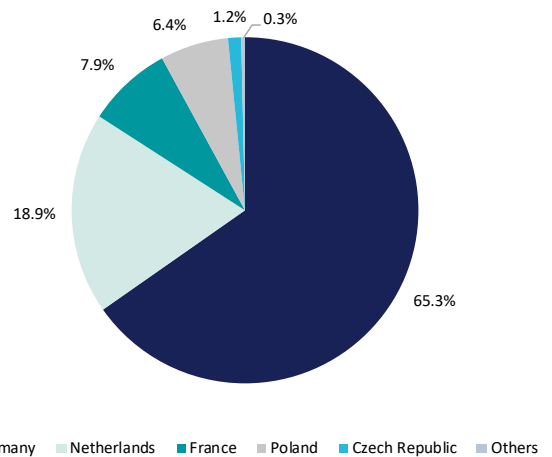
### Maturity structure



### Composition of cover pool



### Regional distribution of properties





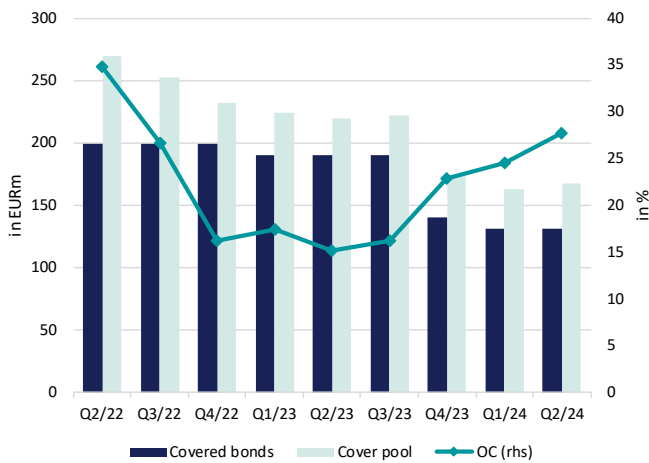
## Berlin Hyp

## Public sector

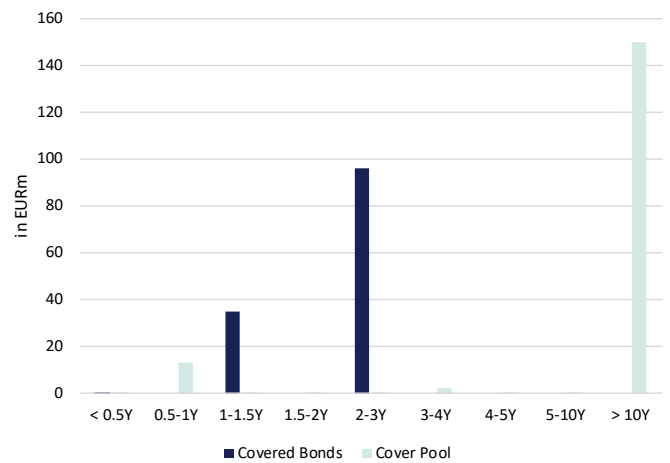
### Cover pool data

Cover pool (EURm)	167.5	Number of loans	26
of which substitution assets	0.0%	Number of borrowers	23
of which derivatives	0.0%	Share of 10 largest borrowers	93.9%
Covered bonds (EURm)	131.0	Avg. exposure to borrowers (EUR)	7,281,671
OC (EURm)	36.4	EUR share (Cover pool)	100.0%
OC	27.8%	EUR share (Covered bonds)	100.0%
Fixed interest (Cover pool)	100.0%	Largest FX position (NPV in EURm)	-
Fixed interest (Covered bonds)	100.0%	Share of largest exposure tranche	89.6% (EUR 10-100m)
WAL (Cover pool)	12.0y	Loans in arrears (>90 days)	0.00%
WAL (Covered Bonds)	2.2y		

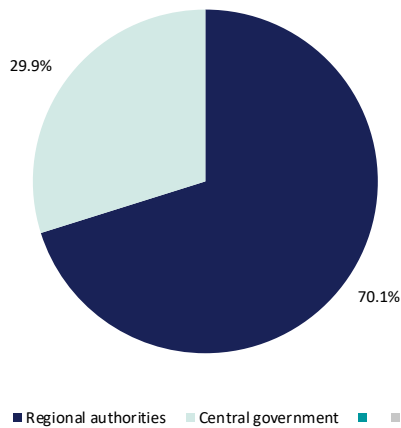
### Development of cover pool data



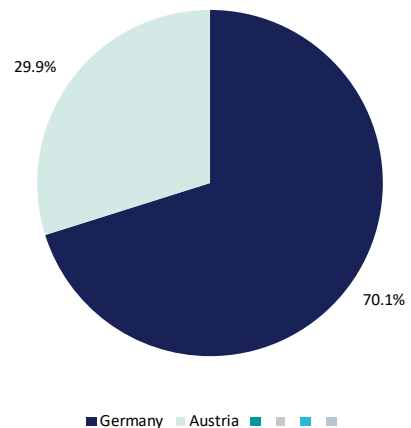
### Maturity structure



### Composition of primary assets



### Regional distribution of claims



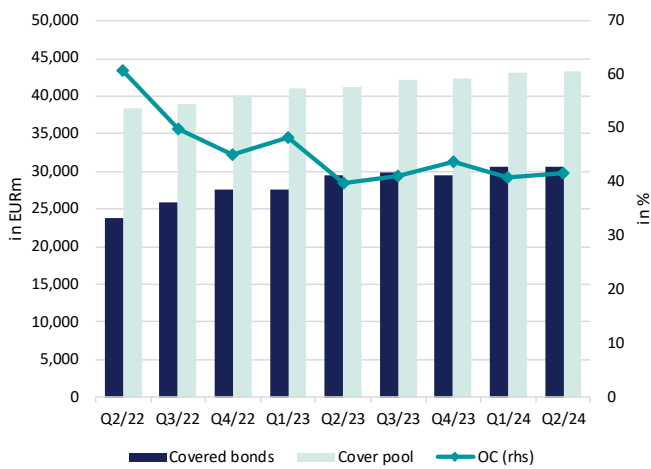
## Commerzbank

## Mortgage

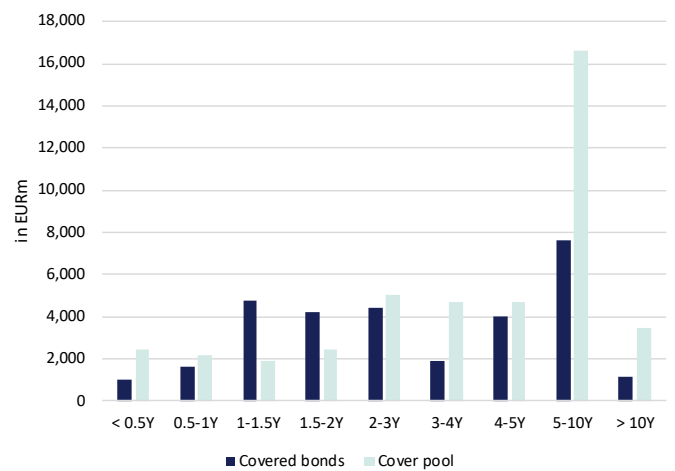
### Cover pool data

Cover pool (EURm)	43,398.8	Number of loans	317,992
of which residential	94.6%	Number of borrowers	244,474
of which commercial	1.8%	Number of properties	273,642
of which substitution assets	3.7%	Avg. exposure to borrowers (EUR)	171,008
of which derivatives	0.0%	Share of 10 largest borrowers	1.3%
Covered bonds (EURm)	30,631.2	Share of owner-occupied dwellings	15.8%
OC (EURm)	12,767.6	Share of multi-family houses	9.5%
OC	41.7%	EUR share (Cover pool)	100.0%
Fixed interest (Cover pool)	98.1%	EUR share (Covered bonds)	100.0%
Fixed interest (Covered bonds)	77.4%	Largest FX position (NPV in EURm)	-
WAL (Cover pool)	5.8y	Share of largest exposure tranche	74.2% (< EUR 0.3m)
WAL (Covered Bonds)	4.3y	Avg. seasoning	5.4y
Avg. LTV (Original value)	51.0%	Loans in arrears (>90 days)	0.00%
Avg. LTV (Market value)	n/a		

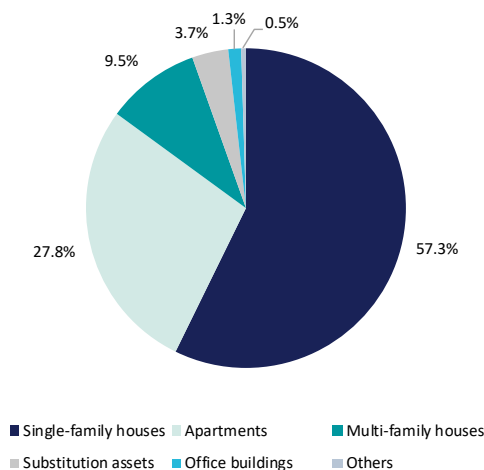
### Development of cover pool data



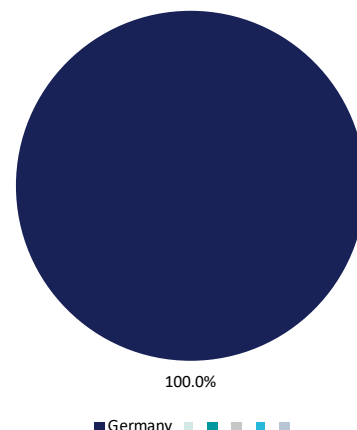
### Maturity structure



### Composition of cover pool



### Regional distribution of properties



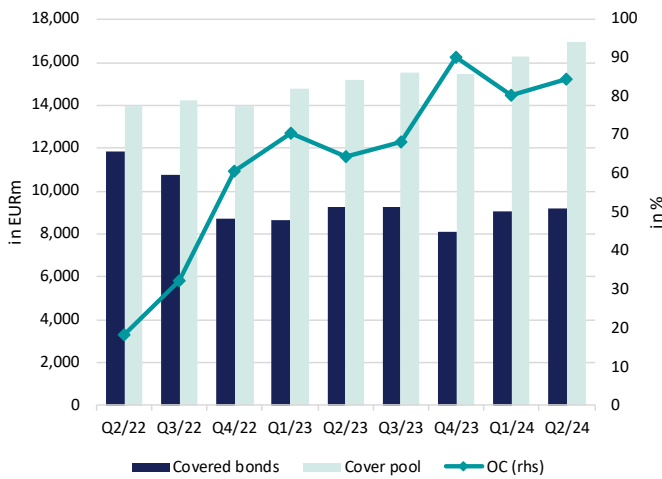
## Commerzbank

### Cover pool data

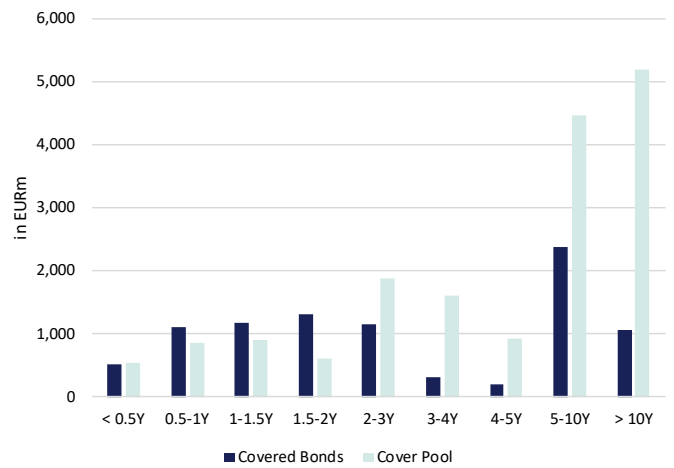
Cover pool (EURm)	16,971.7	Number of loans	2,187
of which substitution assets	0.0%	Number of borrowers	878
of which derivatives	0.0%	Share of 10 largest borrowers	21.7%
Covered bonds (EURm)	9,198.3	Avg. exposure to borrowers (EUR)	19,329,979
OC (EURm)	7,773.4	EUR share (Cover pool)	87.2%
OC	84.5%	EUR share (Covered bonds)	96.9%
Fixed interest (Cover pool)	77.4%	Largest FX position (NPV in EURm)	USD (996.9)
Fixed interest (Covered bonds)	61.9%	Share of largest exposure tranche	46.0% (> EUR 100m)
WAL (Cover pool)	8.3y	Loans in arrears (>90 days)	0.00%
WAL (Covered Bonds)	4.5y		

## Public sector

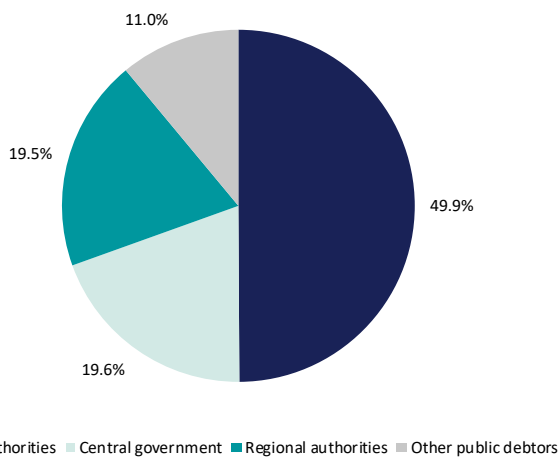
### Development of cover pool data



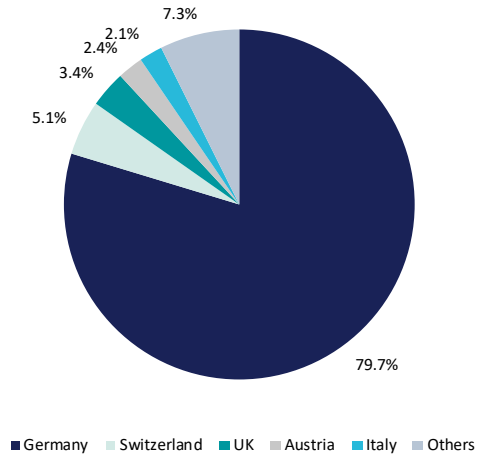
### Maturity structure



### Composition of primary assets



### Regional distribution of claims



Source: vdp, NORD/LB Floor Research

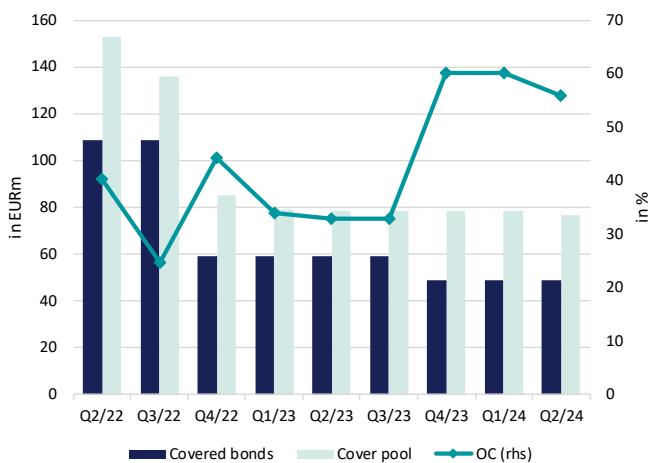
## Commerzbank

## Ship

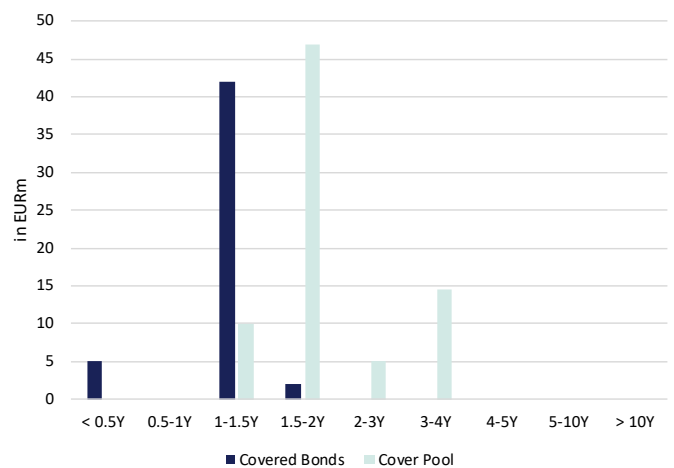
### Cover pool data

Cover pool (EURm)	76.5	Number of loans	n/a
of which substitution assets	100.0%	Number of borrowers	n/a
of which derivatives	0.0%	Avg. exposure to borrowers (EUR)	n/a
Covered bonds (EURm)	49.0	Largest FX position (NPV in EURm)	-
OC (EURm)	27.5	Share of largest exposure tranche	n/a
OC	56.1%	Loans in arrears (>90 days)	0.00%
Fixed interest (Cover pool)	100.0%		
Fixed interest (Covered bonds)	100.0%		
WAL (Cover pool)	2.0y		
WAL (Covered Bonds)	1.2y		

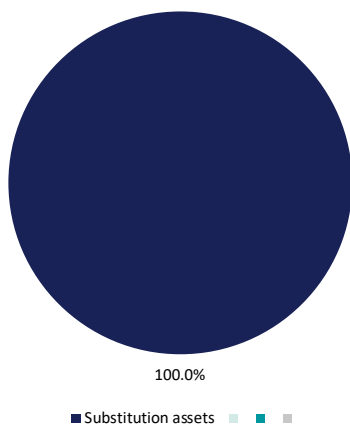
### Development of cover pool data



### Maturity structure



### Composition of cover pool



### Regional distribution of primary assets

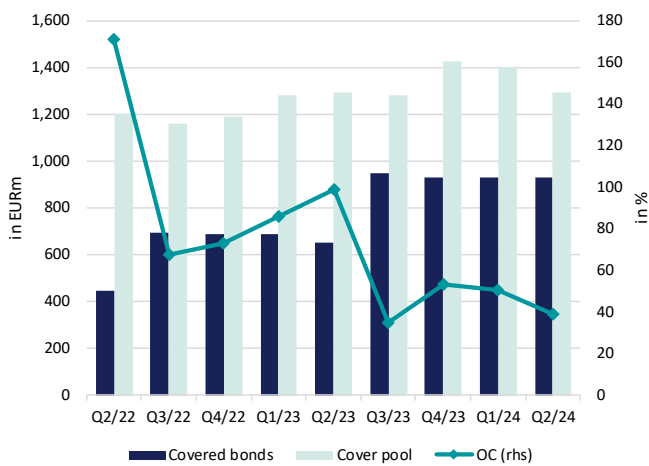
## DekaBank

## Mortgage

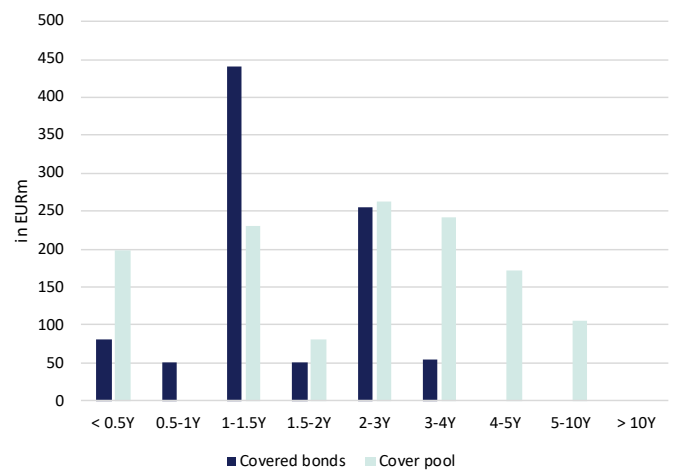
### Cover pool data

Cover pool (EURm)	1,293.6	Number of loans	27
of which residential	0.0%	Number of borrowers	34
of which commercial	82.6%	Number of properties	44
of which substitution assets	17.4%	Avg. exposure to borrowers (EUR)	31,440,294
of which derivatives	0.0%	Share of 10 largest borrowers	42.1%
Covered bonds (EURm)	931.0	Share of owner-occupied dwellings	0.0%
OC (EURm)	362.6	Share of multi-family houses	0.0%
OC	39.0%	EUR share (Cover pool)	100.0%
Fixed interest (Cover pool)	90.0%	EUR share (Covered bonds)	100.0%
Fixed interest (Covered bonds)	100.0%	Largest FX position (NPV in EURm)	-
WAL (Cover pool)	2.7y	Share of largest exposure tranche	96.4% (> EUR 10m)
WAL (Covered Bonds)	1.5y	Avg. seasoning	4.0y
Avg. LTV (Original value)	60.0%	Loans in arrears (>90 days)	0.00%
Avg. LTV (Market value)	n/a		

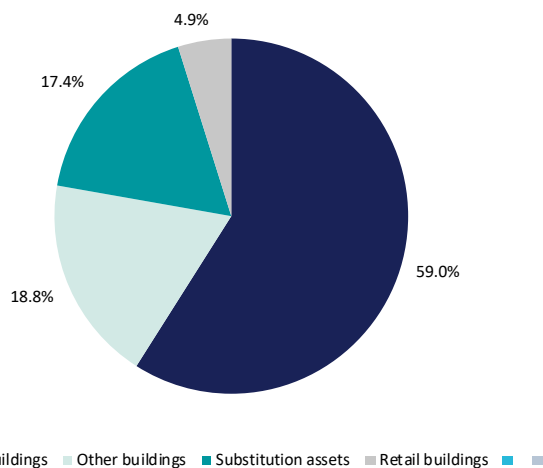
### Development of cover pool data



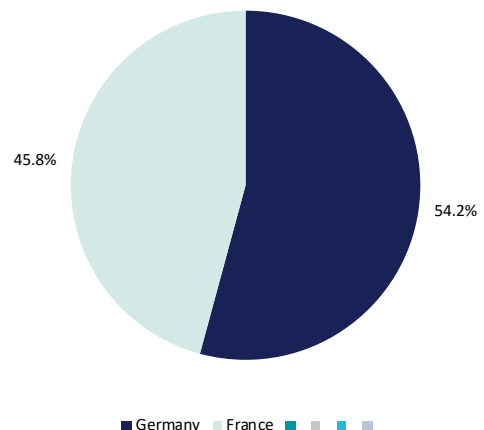
### Maturity structure



### Composition of cover pool



### Regional distribution of properties



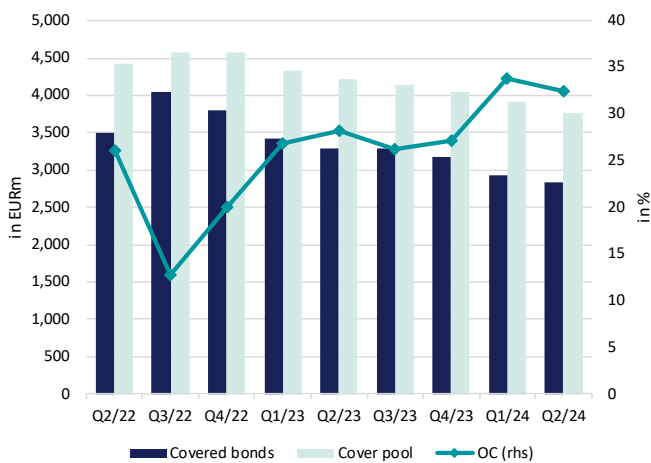
## DekaBank

### Cover pool data

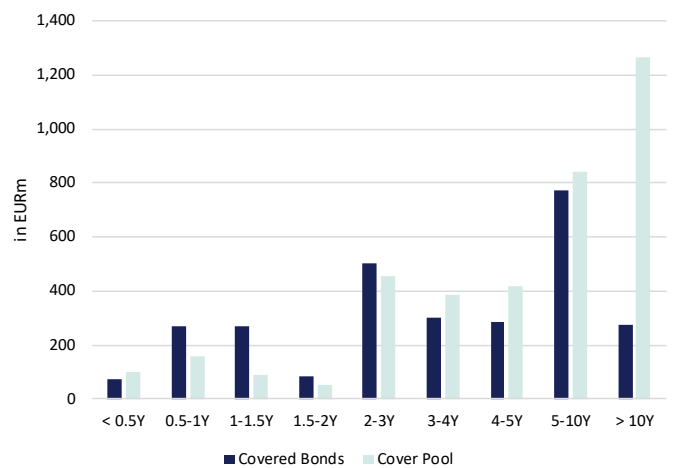
Cover pool (EURm)	3,755.1	Number of loans	253
of which substitution assets	3.0%	Number of borrowers	81
of which derivatives	0.0%	Share of 10 largest borrowers	39.6%
Covered bonds (EURm)	2,833.7	Avg. exposure to borrowers (EUR)	44,988,605
OC (EURm)	921.3	EUR share (Cover pool)	98.0%
OC	32.5%	EUR share (Covered bonds)	98.4%
Fixed interest (Cover pool)	90.0%	Largest FX position (NPV in EURm)	USD (37.1)
Fixed interest (Covered bonds)	100.0%	Share of largest exposure tranche	56.3% (EUR 10-100m)
WAL (Cover pool)	5.9y	Loans in arrears (>90 days)	0.00%
WAL (Covered Bonds)	4.3y		

## Public sector

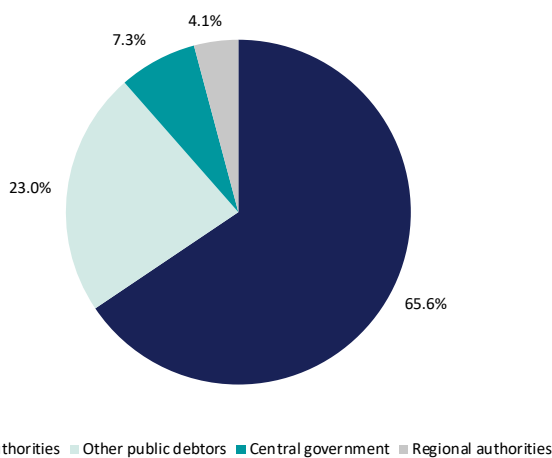
### Development of cover pool data



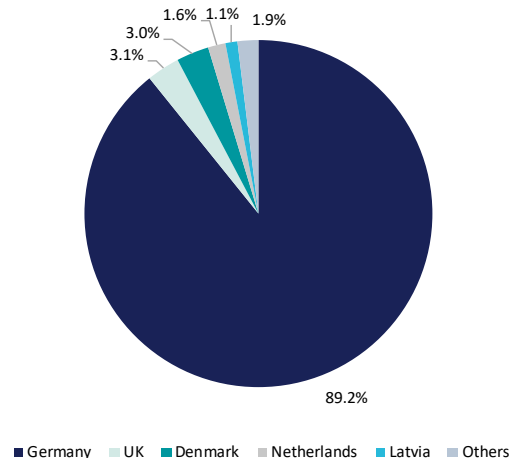
### Maturity structure



### Composition of primary assets



### Regional distribution of claims



Source: vdp, NORD/LB Floor Research

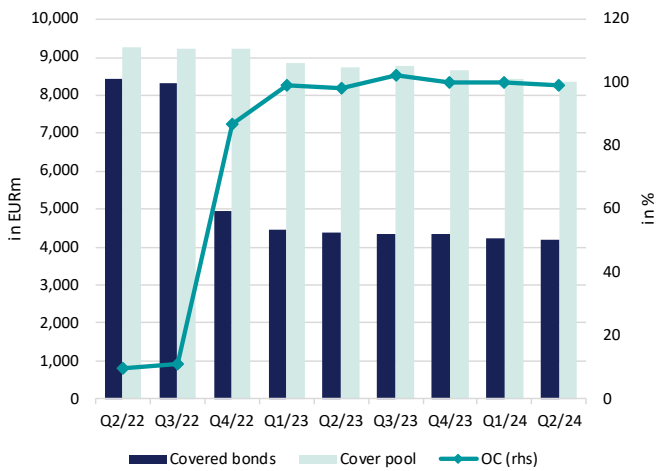
# Deutsche Apotheker- und Ärztebank

# Mortgage

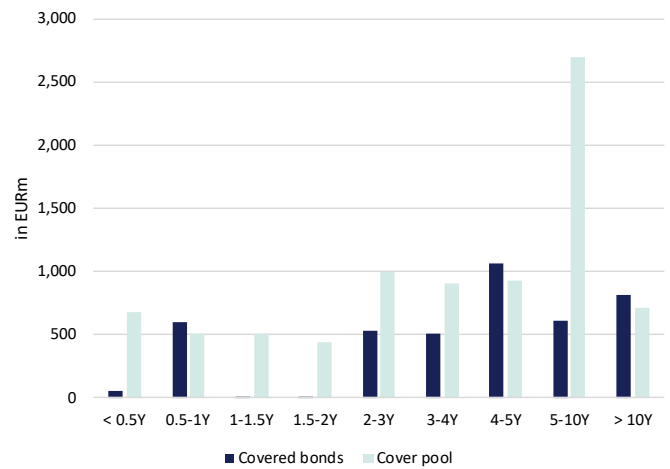
## Cover pool data

Cover pool (EURm)	8,374.8	Number of loans	72,615
of which residential	76.8%	Number of borrowers	39,996
of which commercial	17.5%	Number of properties	54,197
of which substitution assets	5.7%	Avg. exposure to borrowers (EUR)	197,389
of which derivatives	0.0%	Share of 10 largest borrowers	6.0%
Covered bonds (EURm)	4,206.6	Share of owner-occupied dwellings	52.9%
OC (EURm)	4,168.2	Share of multi-family houses	10.3%
OC	99.1%	EUR share (Cover pool)	100.0%
Fixed interest (Cover pool)	93.9%	EUR share (Covered bonds)	100.0%
Fixed interest (Covered bonds)	98.9%	Largest FX position (NPV in EURm)	-
WAL (Cover pool)	4.8y	Share of largest exposure tranche	69.7% (< EUR 0.3m)
WAL (Covered Bonds)	6.5y	Avg. seasoning	6.4y
Avg. LTV (Original value)	54.3%	Loans in arrears (>90 days)	0.00%
Avg. LTV (Market value)	n/a		

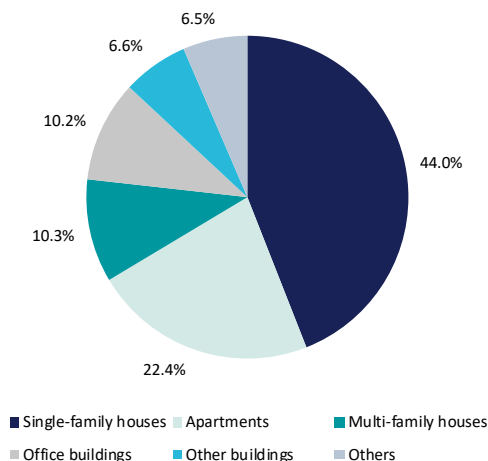
## Development of cover pool data



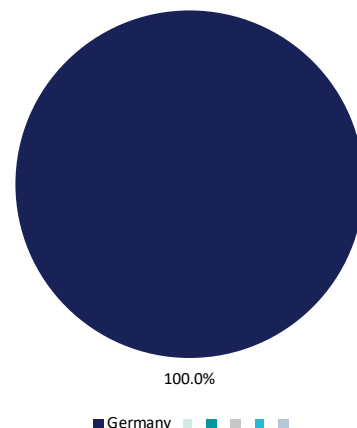
## Maturity structure



## Composition of cover pool



## Regional distribution of properties



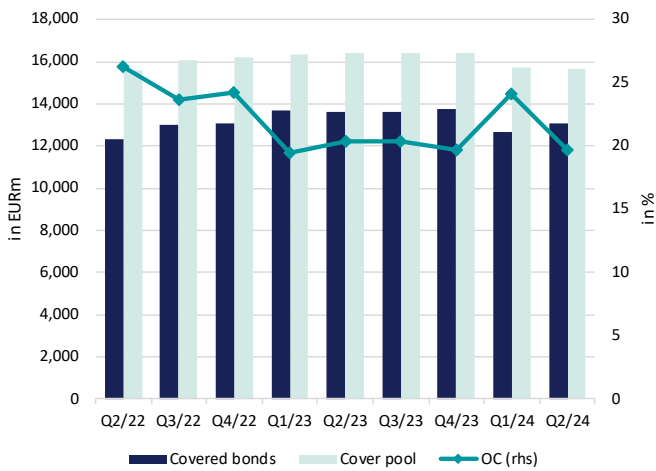
## Deutsche Bank

## Mortgage

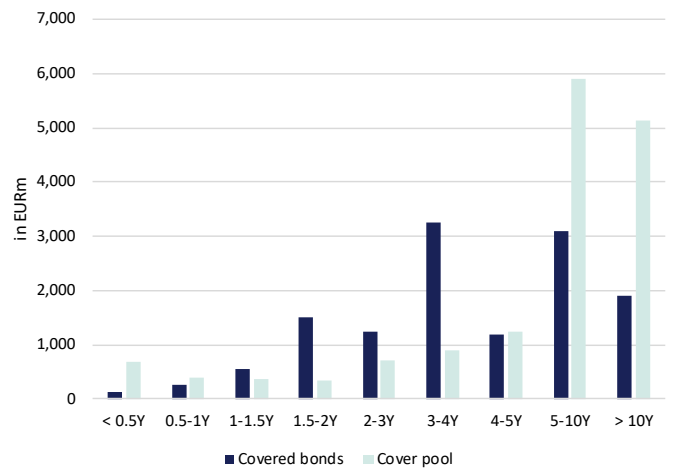
### Cover pool data

Cover pool (EURm)	15,647.3	Number of loans	n/a
of which residential	90.0%	Number of borrowers	n/a
of which commercial	5.9%	Number of properties	n/a
of which substitution assets	4.0%	Avg. exposure to borrowers (EUR)	n/a
of which derivatives	0.0%	Share of 10 largest borrowers	n/a
Covered bonds (EURm)	13,078.5	Share of owner-occupied dwellings	n/a
OC (EURm)	2,568,8	Share of multi-family houses	n/a
OC	19.6%	EUR share (Cover pool)	n/a
Fixed interest (Cover pool)	99.5%	EUR share (Covered bonds)	n/a
Fixed interest (Covered bonds)	88.7%	Largest FX position (NPV in EURm)	-
WAL (Cover pool)	n/a	Share of largest exposure tranche	79.9% (< EUR 0.3m)
WAL (Covered Bonds)	n/a	Avg. seasoning	5.8y
Avg. LTV (Original value)	54.0%	Loans in arrears (>90 days)	0.00%
Avg. LTV (Market value)	n/a		

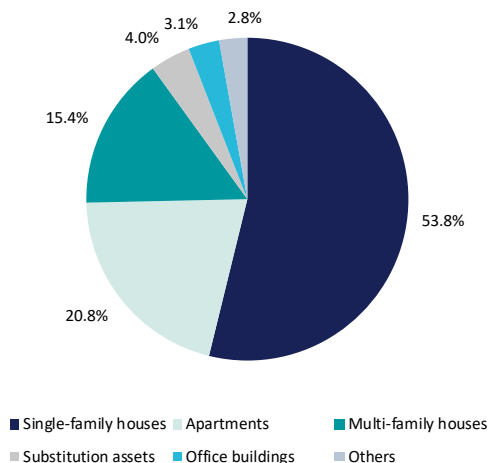
### Development of cover pool data



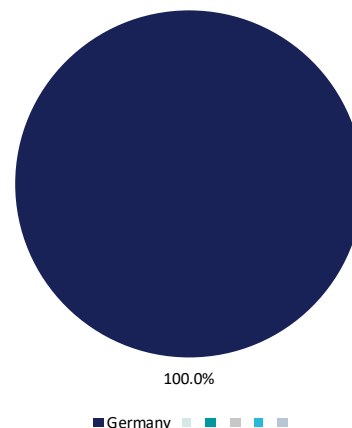
### Maturity structure



### Composition of cover pool



### Regional distribution of properties





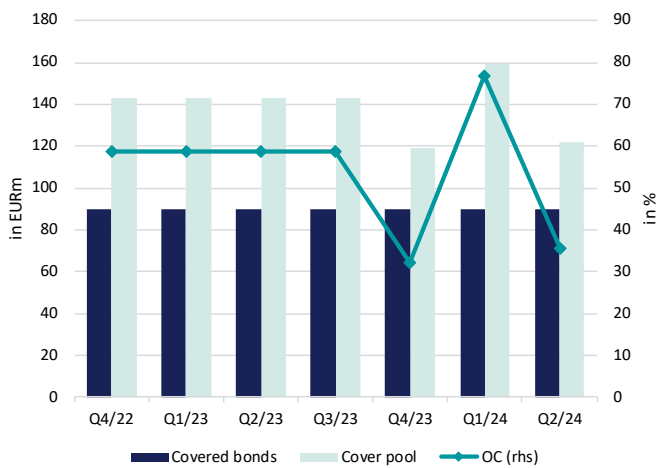
## Deutsche Bank

## Public sector

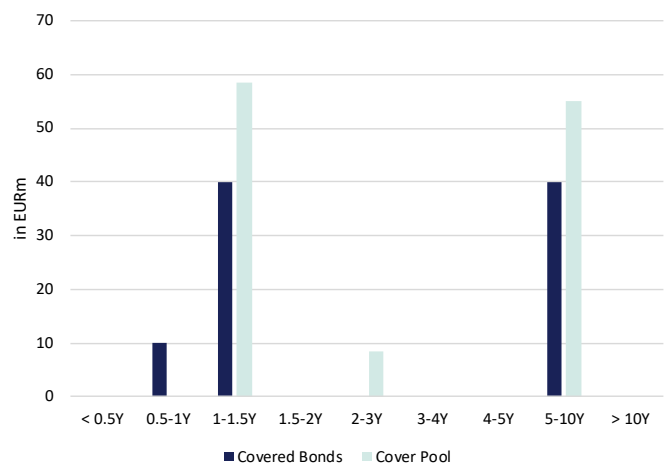
### Cover pool data

Cover pool (EURm)	122.0	Number of loans	n/a
of which substitution assets	0.0%	Number of borrowers	n/a
of which derivatives	0.0%	Share of 10 largest borrowers	n/a
Covered bonds (EURm)	90.0	Avg. exposure to borrowers (EUR)	n/a
OC (EURm)	32.0	EUR share (Cover pool)	n/a
OC	35.6%	EUR share (Covered bonds)	n/a
Fixed interest (Cover pool)	100.0%	Largest FX position (NPV in EURm)	-
Fixed interest (Covered bonds)	100.0%	Share of largest exposure tranche	100.0% (EUR 10-100m)
WAL (Cover pool)	n/a	Loans in arrears (>90 days)	0.00%
WAL (Covered Bonds)	n/a		

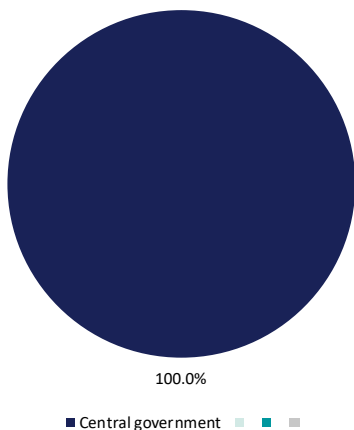
### Development of cover pool data



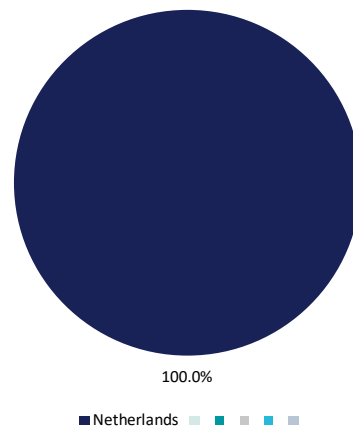
### Maturity structure



### Composition of primary assets



### Regional distribution of claims



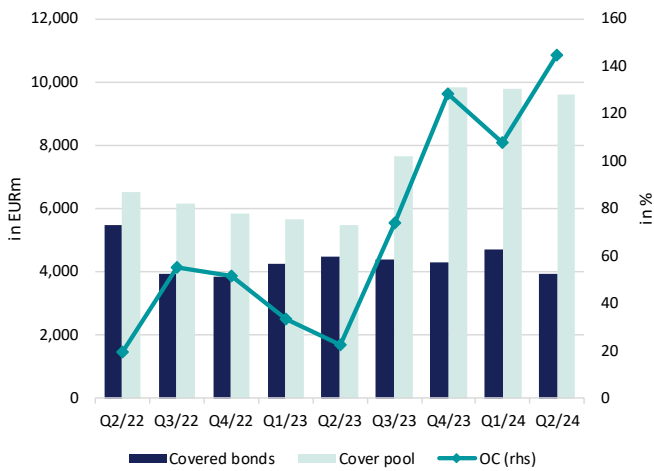
## Deutsche Kreditbank

## Mortgage

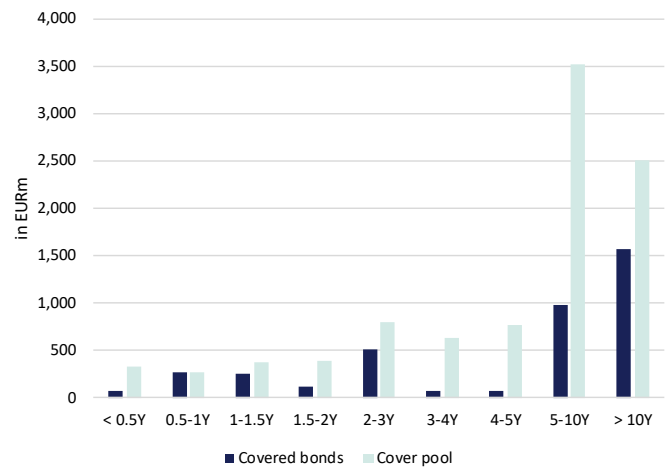
### Cover pool data

Cover pool (EURm)	9,615.1	Number of loans	n/a
of which residential	88.8%	Number of borrowers	n/a
of which commercial	2.2%	Number of properties	n/a
of which substitution assets	8.9%	Avg. exposure to borrowers (EUR)	n/a
of which derivatives	0.0%	Share of 10 largest borrowers	n/a
Covered bonds (EURm)	3,921.0	Share of owner-occupied dwellings	n/a
OC (EURm)	5,694.1	Share of multi-family houses	n/a
OC	145.2%	EUR share (Cover pool)	n/a
Fixed interest (Cover pool)	96.7%	EUR share (Covered bonds)	n/a
Fixed interest (Covered bonds)	100.0%	Largest FX position (NPV in EURm)	-
WAL (Cover pool)	n/a	Share of largest exposure tranche	37.7% (> EUR 10m)
WAL (Covered Bonds)	n/a	Avg. seasoning	7.3y
Avg. LTV (Original value)	53.0%	Loans in arrears (>90 days)	0.00%
Avg. LTV (Market value)	n/a		

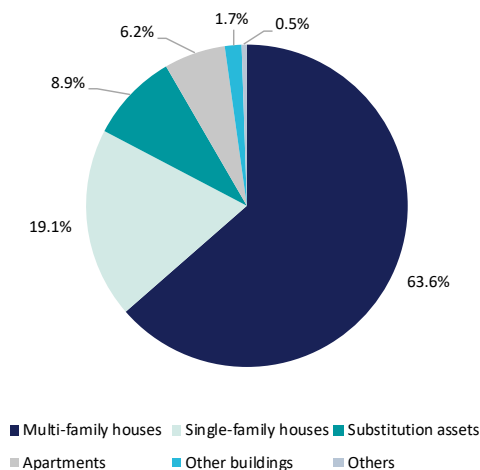
### Development of cover pool data



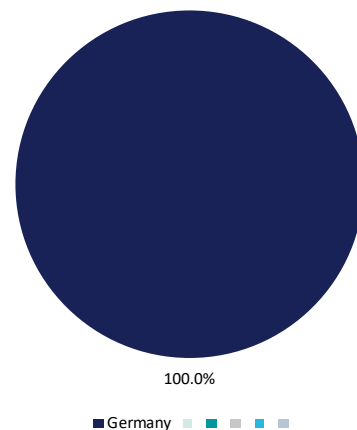
### Maturity structure



### Composition of cover pool



### Regional distribution of properties



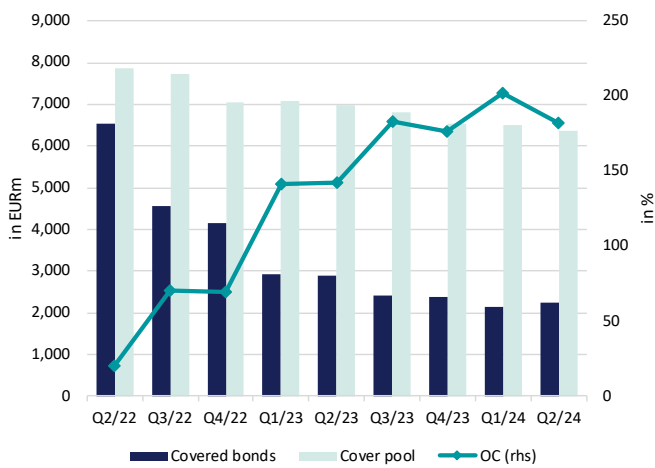
## Deutsche Kreditbank

## Public sector

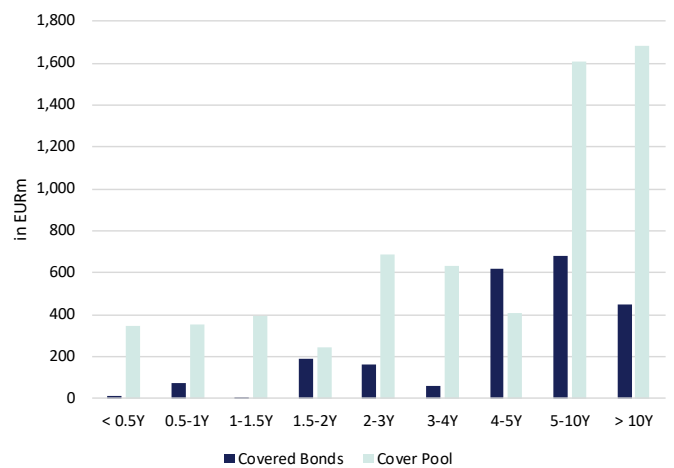
### Cover pool data

Cover pool (EURm)	6,350.4	Number of loans	n/a
of which substitution assets	0.0%	Number of borrowers	n/a
of which derivatives	0.0%	Share of 10 largest borrowers	n/a
Covered bonds (EURm)	2,248.3	Avg. exposure to borrowers (EUR)	n/a
OC (EURm)	4,102.1	EUR share (Cover pool)	n/a
OC	182.5%	EUR share (Covered bonds)	n/a
Fixed interest (Cover pool)	98.1%	Largest FX position (NPV in EURm)	-
Fixed interest (Covered bonds)	100.0%	Share of largest exposure tranche	71.8% (< EUR 10m)
WAL (Cover pool)	n/a	Loans in arrears (>90 days)	0.00%
WAL (Covered Bonds)	n/a		

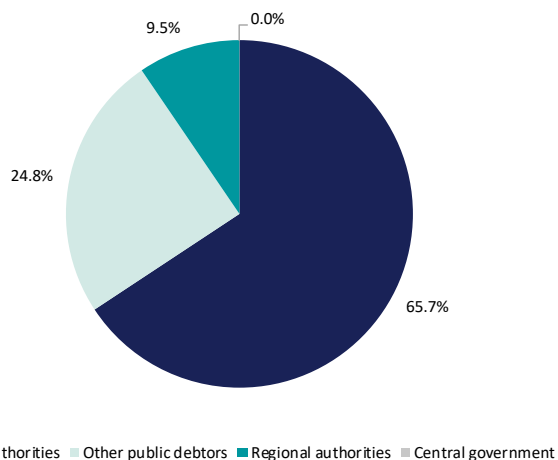
### Development of cover pool data



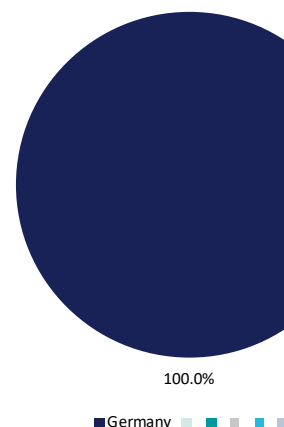
### Maturity structure



### Composition of primary assets



### Regional distribution of claims



Source: vdp, NORD/LB Floor Research

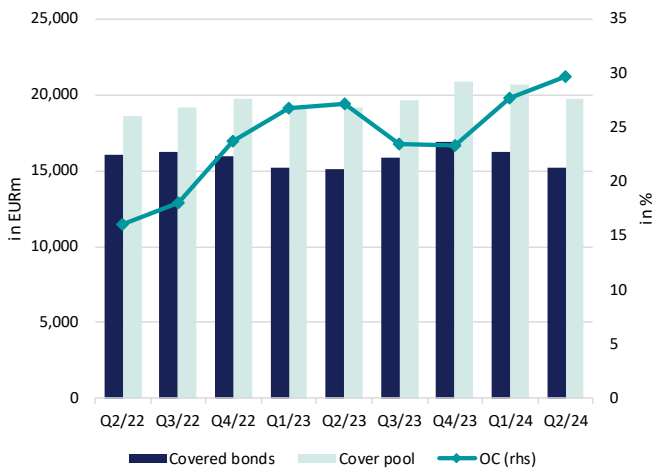
## Deutsche Pfandbriefbank

## Mortgage

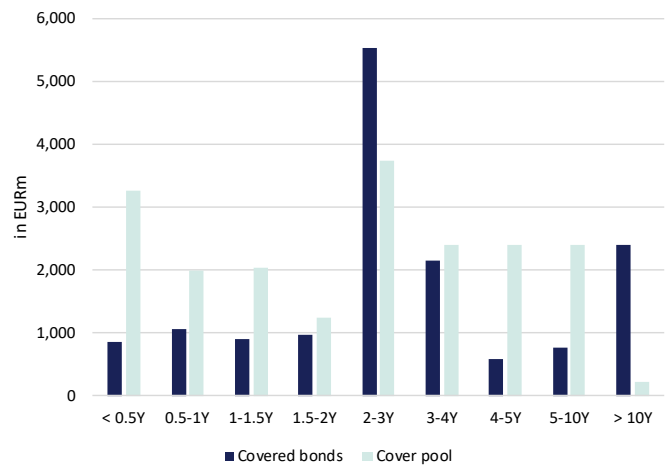
### Cover pool data

Cover pool (EURm)	19,751.0	Number of loans	1,408
of which residential	17.4%	Number of borrowers	687
of which commercial	79.2%	Number of properties	3,271
of which substitution assets	3.4%	Avg. exposure to borrowers (EUR)	27,770,015
of which derivatives	0.0%	Share of 10 largest borrowers	7.9%
Covered bonds (EURm)	15,233.0	Share of owner-occupied dwellings	0.0%
OC (EURm)	4,518.0	Share of multi-family houses	15.6%
OC	29.7%	EUR share (Cover pool)	75.8%
Fixed interest (Cover pool)	58.0%	EUR share (Covered bonds)	81.7%
Fixed interest (Covered bonds)	90.0%	Largest FX position (NPV in EURm)	GBP (986.0)
WAL (Cover pool)	3.1y	Share of largest exposure tranche	93.1% (> EUR 10m)
WAL (Covered Bonds)	5.4y	Avg. seasoning	4.0y
Avg. LTV (Original value)	57.0%	Loans in arrears (>90 days)	0.01%
Avg. LTV (Market value)	36.0%		

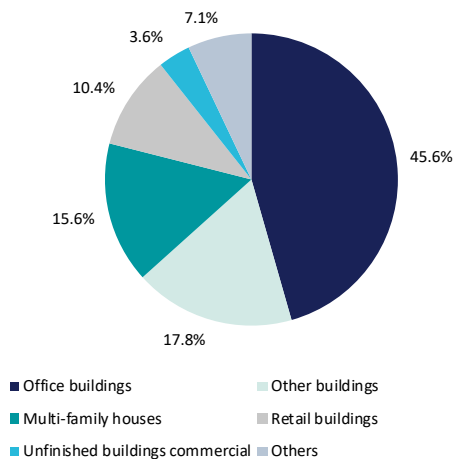
### Development of cover pool data



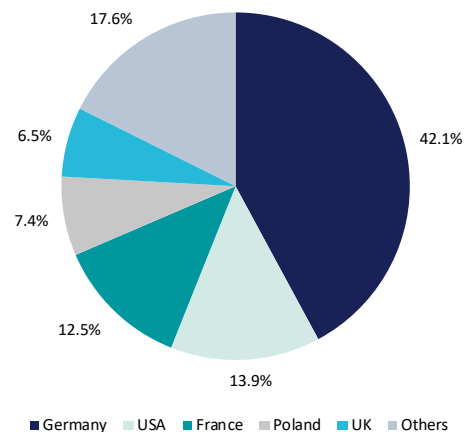
### Maturity structure



### Composition of cover pool



### Regional distribution of properties



## Deutsche Pfandbriefbank

## Public sector

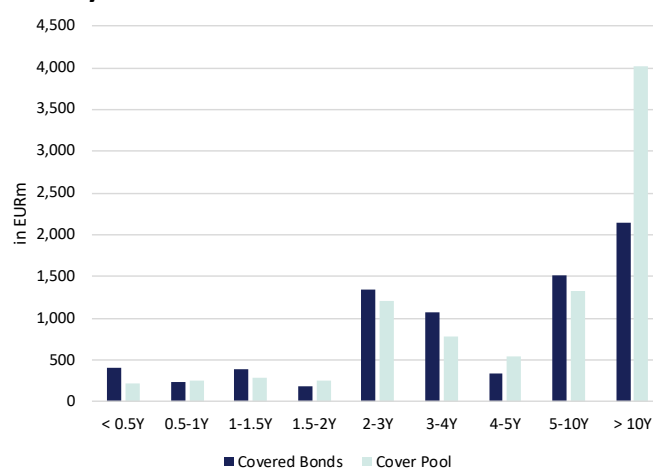
### Cover pool data

Cover pool (EURm)	8,864.0	Number of loans	391
of which substitution assets	0.0%	Number of borrowers	177
of which derivatives	0.0%	Share of 10 largest borrowers	63.3%
Covered bonds (EURm)	7,619.0	Avg. exposure to borrowers (EUR)	50,067,797
OC (EURm)	1,245.0	EUR share (Cover pool)	96.5%
OC	16.3%	EUR share (Covered bonds)	99.8%
Fixed interest (Cover pool)	75.0%	Largest FX position (NPV in EURm)	GBP (141.0)
Fixed interest (Covered bonds)	73.0%	Share of largest exposure tranche	64.8% (> EUR 100m)
WAL (Cover pool)	7.8y	Loans in arrears (>90 days)	0.00%
WAL (Covered Bonds)	6.1y		

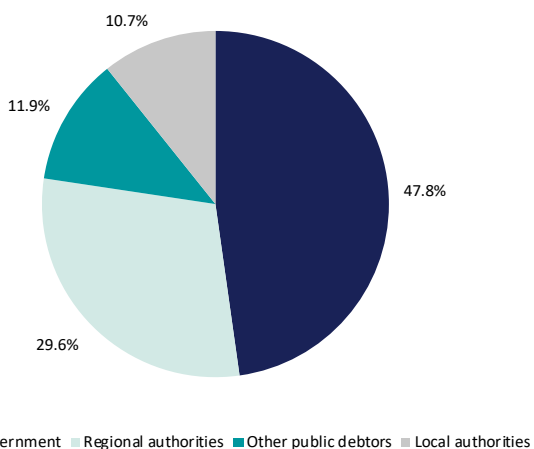
### Development of cover pool data



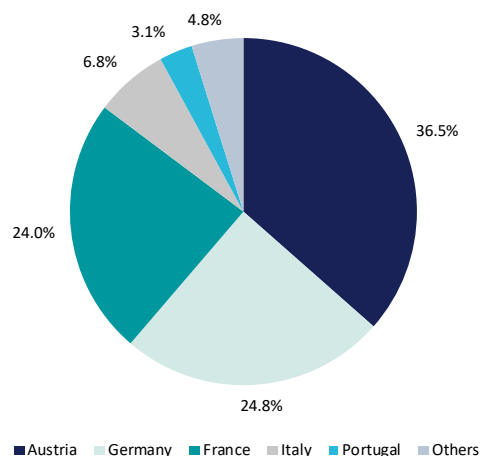
### Maturity structure



### Composition of primary assets



### Regional distribution of claims



Source: vdp, NORD/LB Floor Research

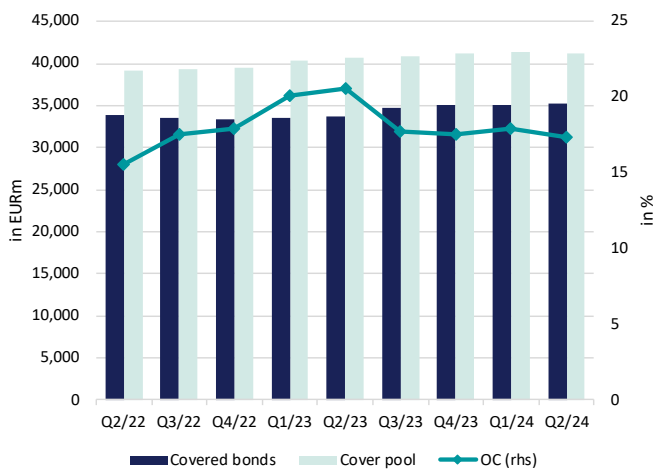
## DZ HYP

## Mortgage

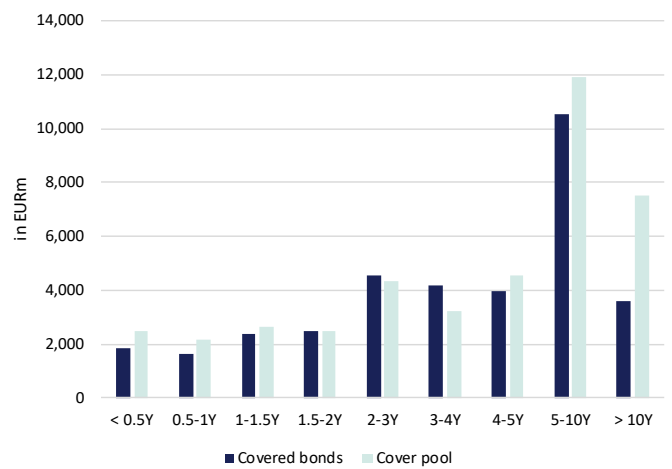
### Cover pool data

Cover pool (EURm)	41,274.5	Number of loans	111,689
of which residential	57.0%	Number of borrowers	97,282
of which commercial	40.3%	Number of properties	111,730
of which substitution assets	2.7%	Avg. exposure to borrowers (EUR)	412,918
of which derivatives	0.0%	Share of 10 largest borrowers	4.4%
Covered bonds (EURm)	35,170.9	Share of owner-occupied dwellings	24.2%
OC (EURm)	6,103.5	Share of multi-family houses	29.9%
OC	17.4%	EUR share (Cover pool)	99.3%
Fixed interest (Cover pool)	89.9%	EUR share (Covered bonds)	100.0%
Fixed interest (Covered bonds)	98.7%	Largest FX position (NPV in EURm)	GBP (212.4)
WAL (Cover pool)	6.1y	Share of largest exposure tranche	41.0% (> EUR 10m)
WAL (Covered Bonds)	5.5y	Avg. seasoning	5.5y
Avg. LTV (Original value)	53.9%	Loans in arrears (>90 days)	0.00%
Avg. LTV (Market value)	n/a		

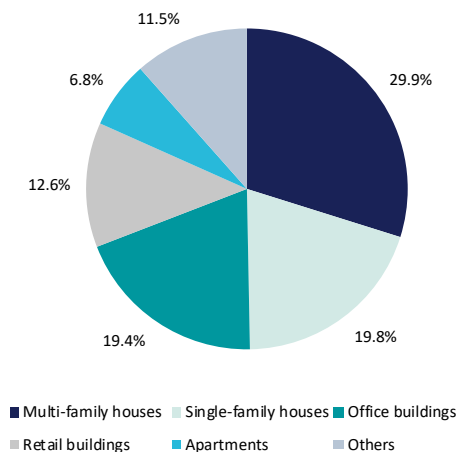
### Development of cover pool data



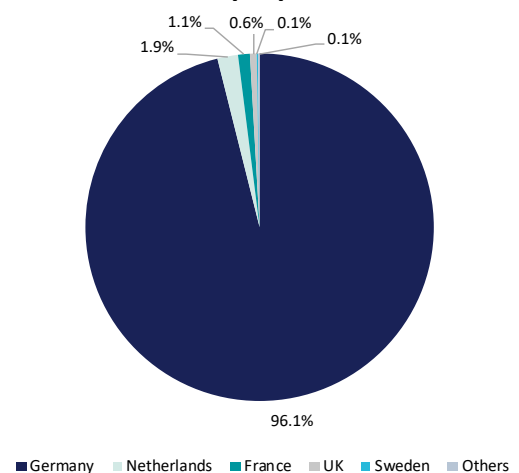
### Maturity structure



### Composition of cover pool



### Regional distribution of properties



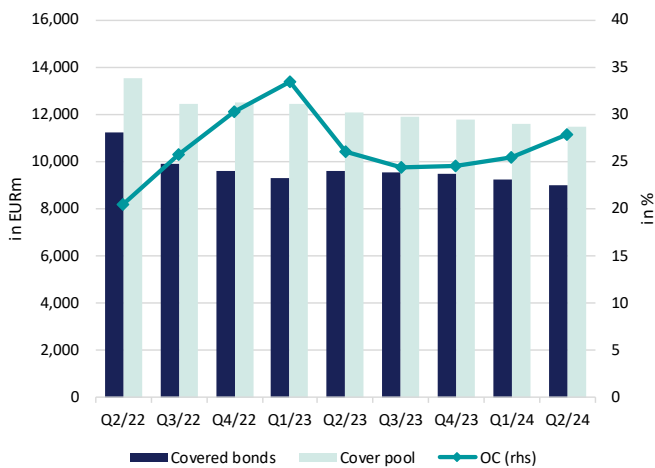
## DZ HYP

### Cover pool data

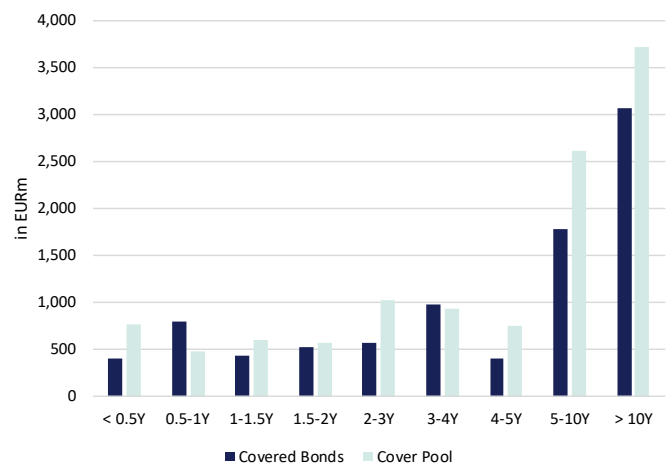
Cover pool (EURm)	11,490.8	Number of loans	15,448
of which substitution assets	0.0%	Number of borrowers	4,678
of which derivatives	0.0%	Share of 10 largest borrowers	17.7%
Covered bonds (EURm)	8,981.7	Avg. exposure to borrowers (EUR)	2,456,340
OC (EURm)	2,509.0	EUR share (Cover pool)	96.3%
OC	27.9%	EUR share (Covered bonds)	95.6%
Fixed interest (Cover pool)	96.2%	Largest FX position (NPV in EURm)	USD (-103.8)
Fixed interest (Covered bonds)	95.4%	Share of largest exposure tranche	46.1% (< EUR 10m)
WAL (Cover pool)	7.5y	Loans in arrears (>90 days)	0.00%
WAL (Covered Bonds)	7.1y		

## Public sector

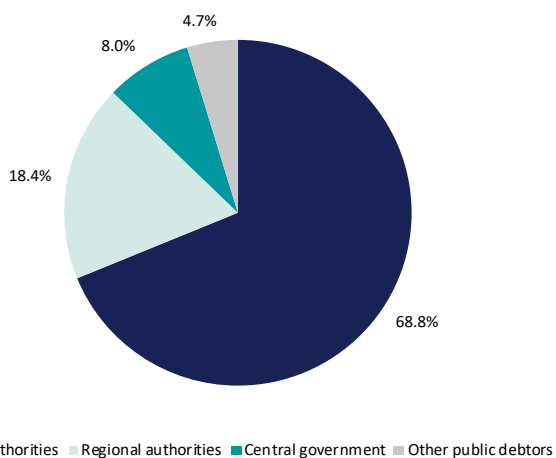
### Development of cover pool data



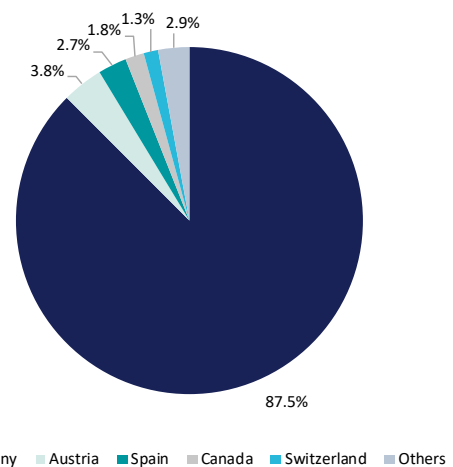
### Maturity structure



### Composition of primary assets



### Regional distribution of claims



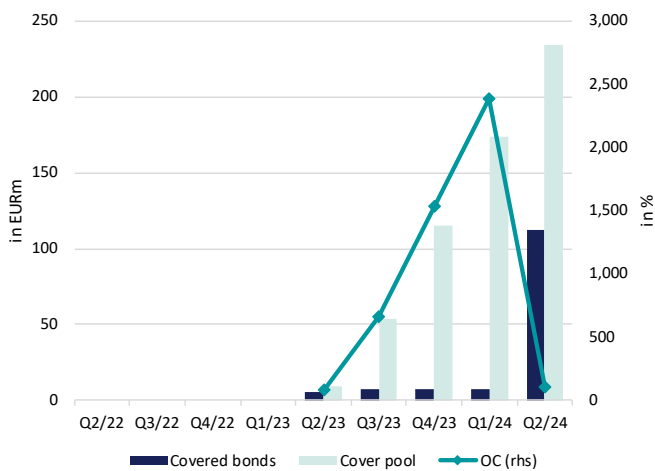
## Evangelische Bank

## Mortgage

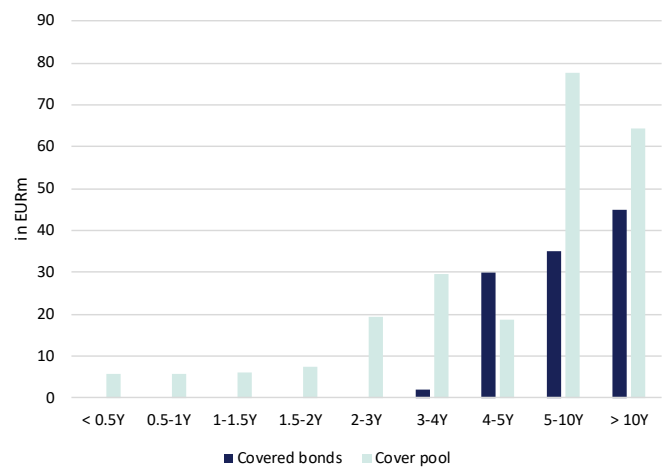
### Cover pool data

Deckungsmasse (EURm)	235.0	Anzahl der Kredite	n/a
davon wohnwirtschaftlich	52.9%	Anzahl der Kreditnehmer	n/a
davon gewerblich	37.8%	Anzahl der Objekte	n/a
davon Ersatzdeckung	9.4%	Ø Darlehensbetrag pro Kreditnehmer (EUR)	n/a
davon Derivate	0.0%	Anteil der 10 größten Kreditnehmer	n/a
Pfandbriefvolumen (EURm)	112.0	Anteil selbstgenutztes Wohneigentum	n/a
Überdeckung (EURm)	123.0	Anteil Mehrfamilienhäuser	n/a
Überdeckungsquote	109.8%	EUR-Anteil (Deckungsmasse)	n/a
Anteil festverzinsliche Deckungsmasse	100.0%	EUR-Anteil (Pfandbriefe)	n/a
Anteil festverzinsliche Pfandbriefe	98.4%	Größte FX-Position (NPV in EURm)	-
WAL (Deckungsmasse)	n/a	Anteil der größten Forderungsklasse	79.9% (EUR 1-10m)
WAL (Pfandbriefe)	n/a	Ø Alter der Forderungen (Seasoning)	7.8y
Ø LTV (Ursprungswert)	49.6%	Rückständige Kredite (>90 Tage)	0.00%
Ø LTV (Marktwert)	n/a		

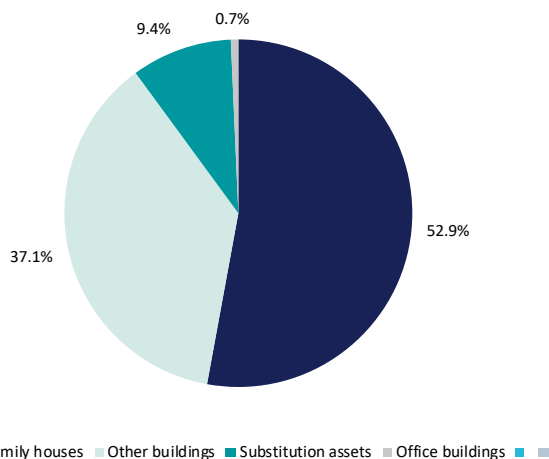
### Development of cover pool data



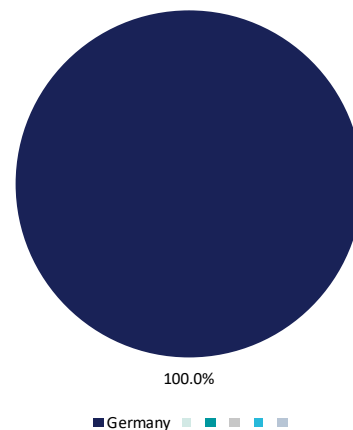
### Maturity structure



### Composition of cover pool



### Regional distribution of properties





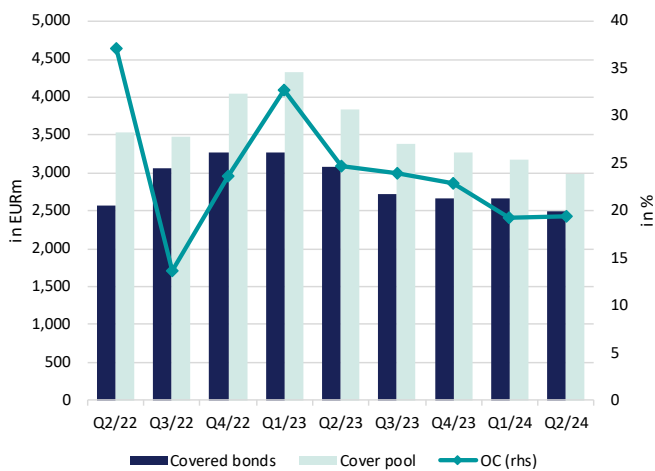
## Hamburg Commercial Bank

## Mortgage

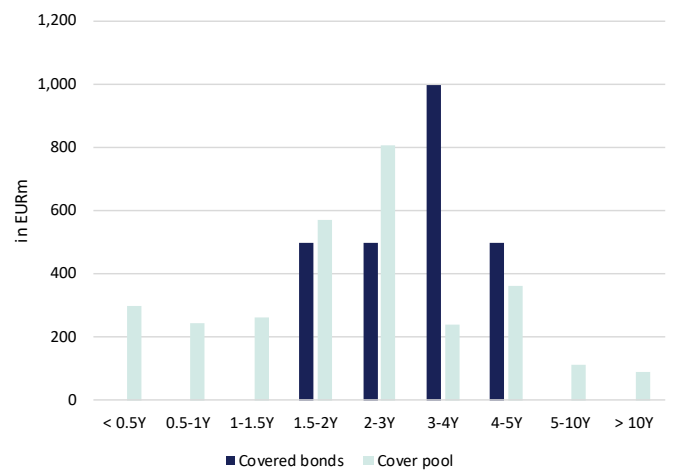
### Cover pool data

Cover pool (EURm)	2,986.6	Number of loans	298
of which residential	18.6%	Number of borrowers	187
of which commercial	75.2%	Number of properties	644
of which substitution assets	6.2%	Avg. exposure to borrowers (EUR)	14,980,360
of which derivatives	0.0%	Share of 10 largest borrowers	30.5%
Covered bonds (EURm)	2,500.0	Share of owner-occupied dwellings	0.0%
OC (EURm)	486.6	Share of multi-family houses	17.8%
OC	19.5%	EUR share (Cover pool)	95.7%
Fixed interest (Cover pool)	57.9%	EUR share (Covered bonds)	100.0%
Fixed interest (Covered bonds)	100.0%	Largest FX position (NPV in EURm)	USD (114.8)
WAL (Cover pool)	3.0y	Share of largest exposure tranche	79.8% (> EUR 10m)
WAL (Covered Bonds)	3.1y	Avg. seasoning	5.2y
Avg. LTV (Original value)	57.3%	Loans in arrears (>90 days)	0.00%
Avg. LTV (Market value)	n/a		

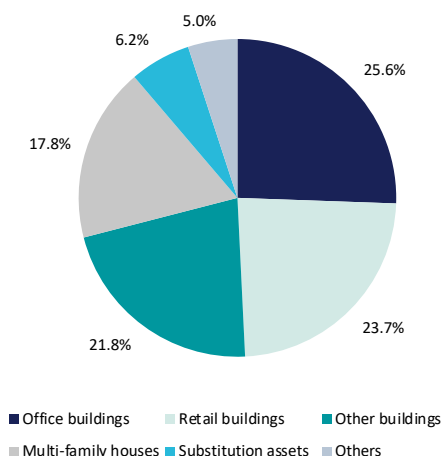
### Development of cover pool data



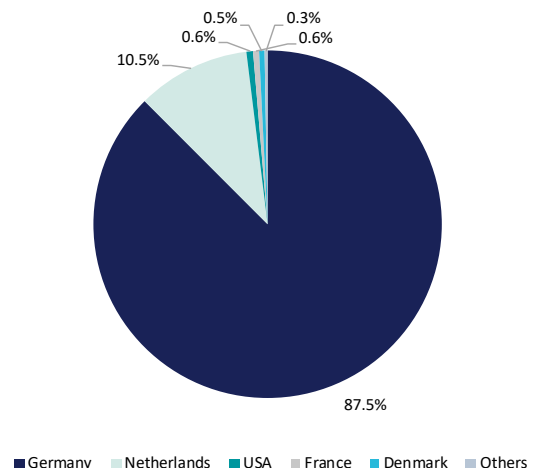
### Maturity structure



### Composition of cover pool



### Regional distribution of properties



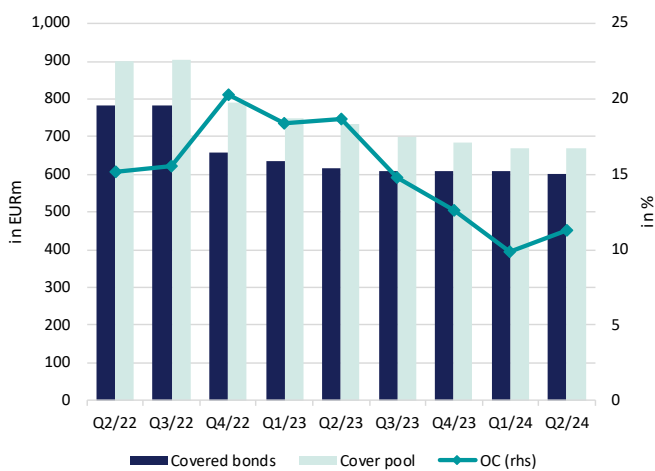
## Hamburg Commercial Bank

## Public sector

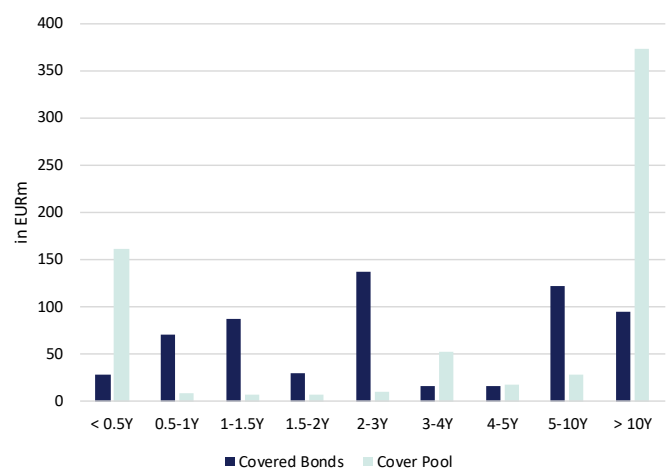
### Cover pool data

Cover pool (EURm)	669.1	Number of loans	38
of which substitution assets	0.0%	Number of borrowers	27
of which derivatives	0.0%	Share of 10 largest borrowers	93.2%
Covered bonds (EURm)	601.5	Avg. exposure to borrowers (EUR)	24,781,610
OC (EURm)	67.6	EUR share (Cover pool)	71.2%
OC	11.2%	EUR share (Covered bonds)	100.0%
Fixed interest (Cover pool)	80.8%	Largest FX position (NPV in EURm)	CHF (103.7)
Fixed interest (Covered bonds)	90.0%	Share of largest exposure tranche	53.7% (> EUR 100m)
WAL (Cover pool)	10.1y	Loans in arrears (>90 days)	0.55%
WAL (Covered Bonds)	4.5y		

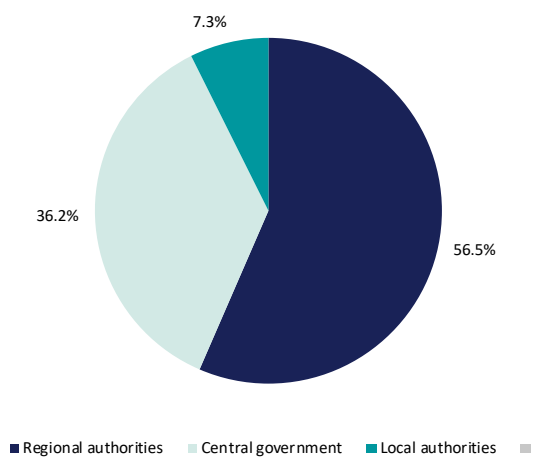
### Development of cover pool data



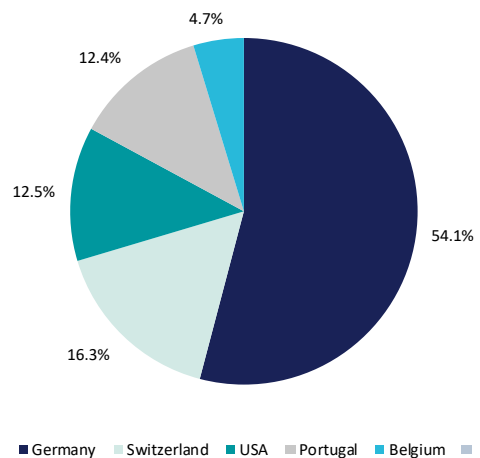
### Maturity structure



### Composition of primary assets



### Regional distribution of claims



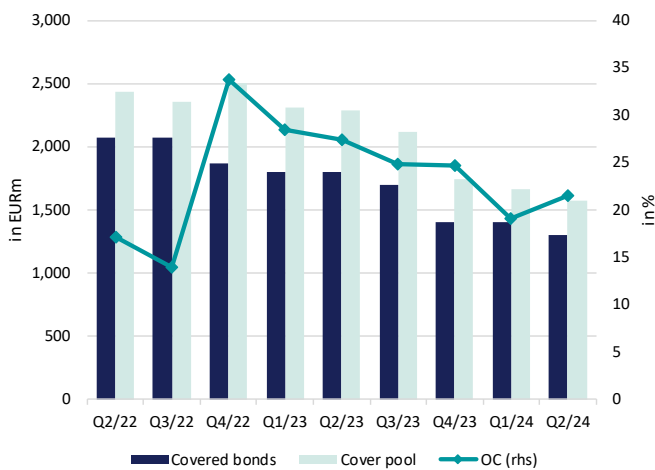
## Hamburg Commercial Bank

## Ship

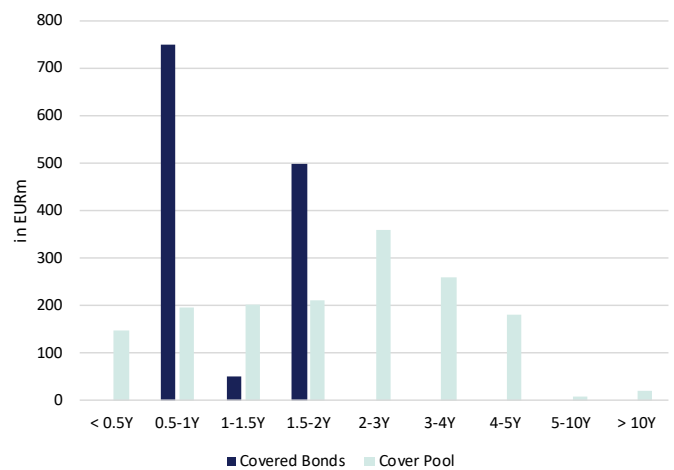
### Cover pool data

Cover pool (EURm)	1,581.0	Number of loans	200
of which substitution assets	4.3%	Number of borrowers	95
of which derivatives	0.0%	Avg. exposure to borrowers (EUR)	15,931,167
Covered bonds (EURm)	1,300.0	Largest FX position (NPV in EURm)	USD (1,321.5)
OC (EURm)	281.0	Share of largest exposure tranche	87.5% (> EUR 5m)
OC	21.6%	Loans in arrears (>90 days)	0.00%
Fixed interest (Cover pool)	96.2%		
Fixed interest (Covered bonds)	5.1%		
WAL (Cover pool)	2.3y		
WAL (Covered Bonds)	1.1y		

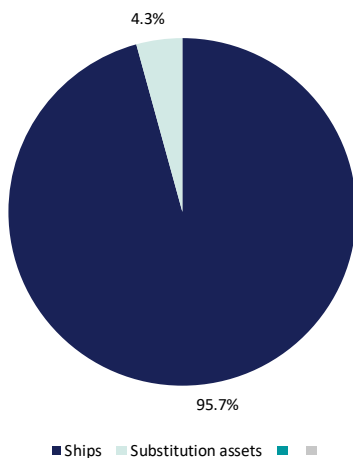
### Development of cover pool data



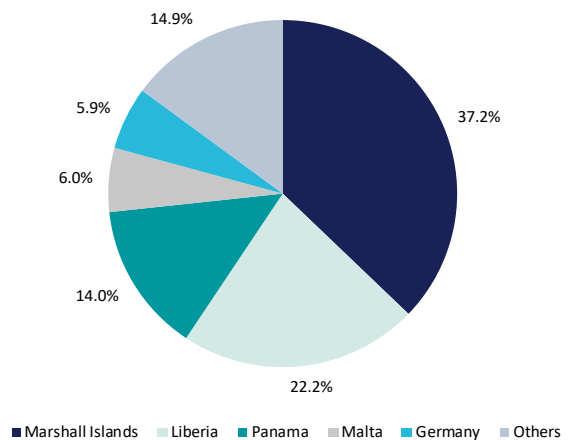
### Maturity structure



### Composition of cover pool



### Regional distribution of primary assets



Source: vdp, NORD/LB Floor Research

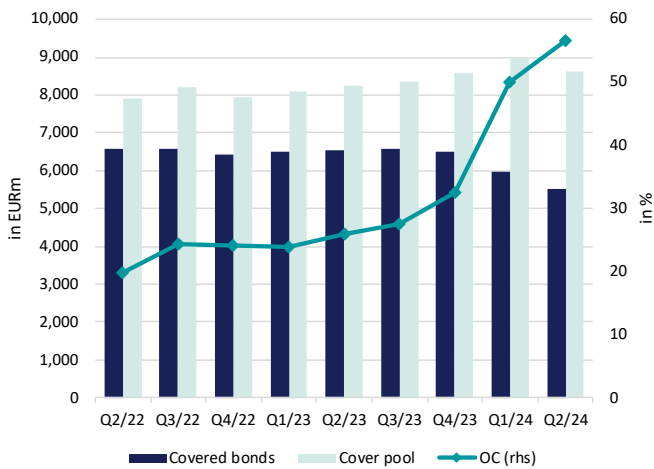
## Hamburger Sparkasse

## Mortgage

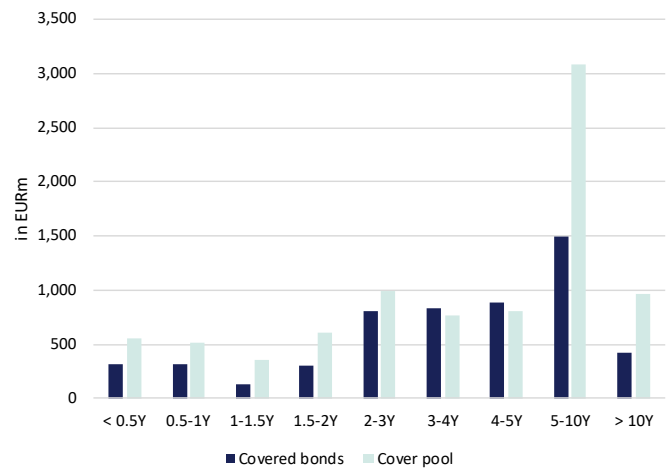
### Cover pool data

Cover pool (EURm)	8,618.2	Number of loans	n/a
of which residential	67.0%	Number of borrowers	n/a
of which commercial	28.9%	Number of properties	n/a
of which substitution assets	4.1%	Avg. exposure to borrowers (EUR)	n/a
of which derivatives	0.0%	Share of 10 largest borrowers	n/a
Covered bonds (EURm)	5,504.1	Share of owner-occupied dwellings	n/a
OC (EURm)	3,114.1	Share of multi-family houses	n/a
OC	56.6%	EUR share (Cover pool)	n/a
Fixed interest (Cover pool)	89.3%	EUR share (Covered bonds)	n/a
Fixed interest (Covered bonds)	98.4%	Largest FX position (NPV in EURm)	-
WAL (Cover pool)	n/a	Share of largest exposure tranche	32.0% (EUR 1-10m)
WAL (Covered Bonds)	n/a	Avg. seasoning	7.5y
Avg. LTV (Original value)	52.5%	Loans in arrears (>90 days)	0.00%
Avg. LTV (Market value)	n/a		

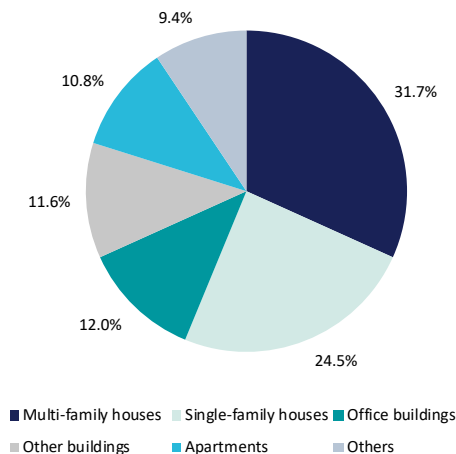
### Development of cover pool data



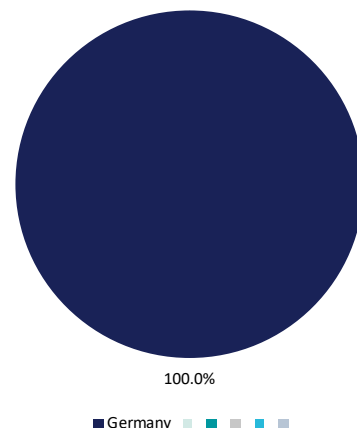
### Maturity structure



### Composition of cover pool



### Regional distribution of properties



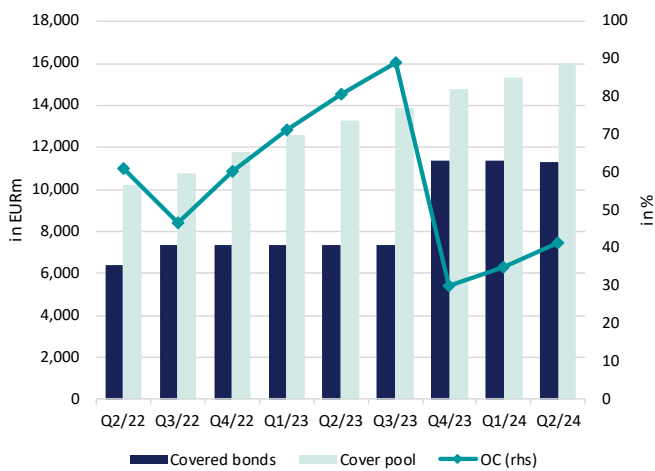
## ING-DiBa

## Mortgage

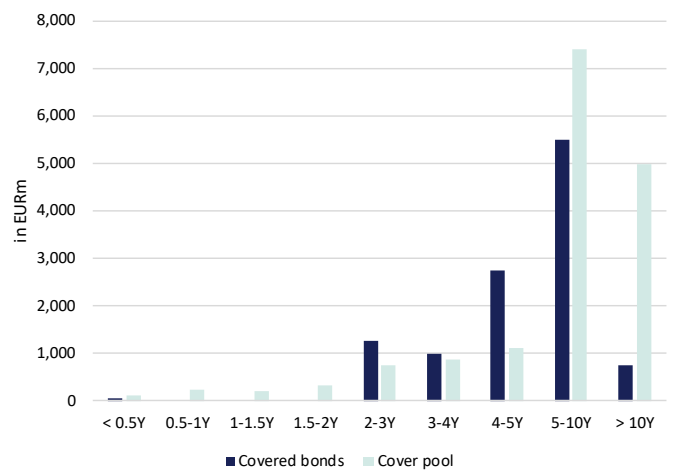
### Cover pool data

Cover pool (EURm)	15,973.4	Number of loans	108,122
of which residential	93.5%	Number of borrowers	106,213
of which commercial	0.0%	Number of properties	108,122
of which substitution assets	6.5%	Avg. exposure to borrowers (EUR)	140,669
of which derivatives	0.0%	Share of 10 largest borrowers	0.1%
Covered bonds (EURm)	11,305.0	Share of owner-occupied dwellings	77.3%
OC (EURm)	4,668.4	Share of multi-family houses	0.0%
OC	41.3%	EUR share (Cover pool)	100.0%
Fixed interest (Cover pool)	100.0%	EUR share (Covered bonds)	100.0%
Fixed interest (Covered bonds)	64.6%	Largest FX position (NPV in EURm)	-
WAL (Cover pool)	8.7y	Share of largest exposure tranche	82.5% (< EUR 0.3m)
WAL (Covered Bonds)	7.0y	Avg. seasoning	5.1y
Avg. LTV (Original value)	54.6%	Loans in arrears (>90 days)	0.00%
Avg. LTV (Market value)	n/a		

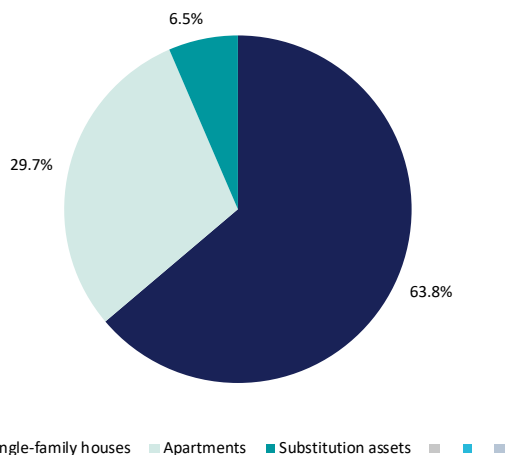
### Development of cover pool data



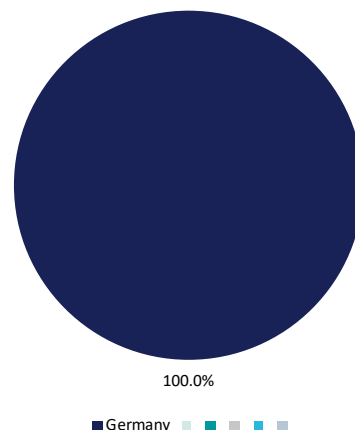
### Maturity structure



### Composition of cover pool



### Regional distribution of properties



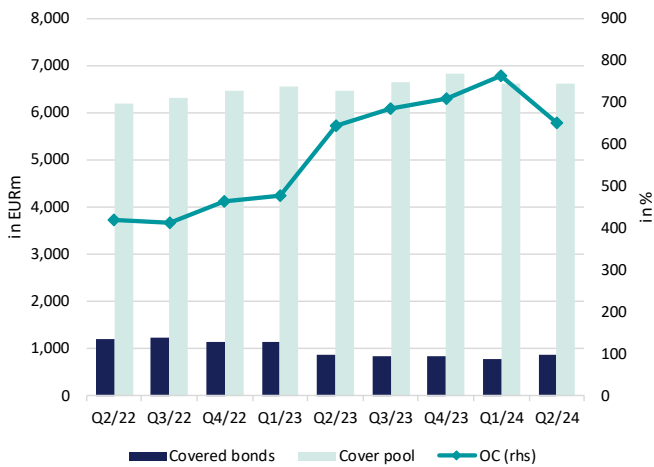
## Kreissparkasse Köln

## Mortgage

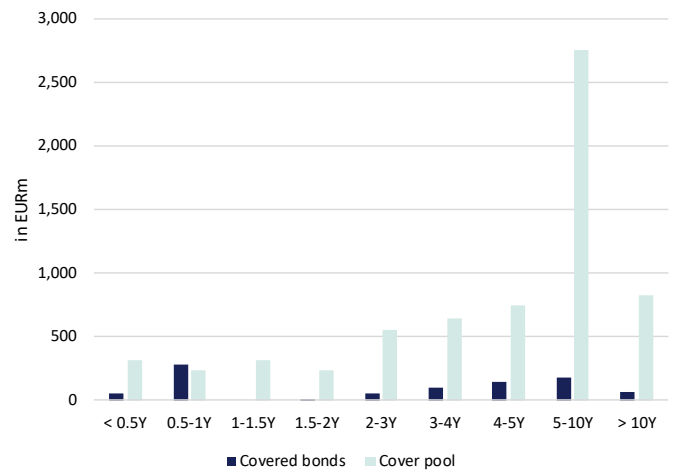
### Cover pool data

Cover pool (EURm)	6,635.3	Number of loans	46,251
of which residential	87.2%	Number of borrowers	37,186
of which commercial	11.3%	Number of properties	43,959
of which substitution assets	1.5%	Avg. exposure to borrowers (EUR)	175,746
of which derivatives	0.0%	Share of 10 largest borrowers	2.0%
Covered bonds (EURm)	884.5	Share of owner-occupied dwellings	n/a
OC (EURm)	5,750.8	Share of multi-family houses	24.8%
OC	650.2%	EUR share (Cover pool)	n/a
Fixed interest (Cover pool)	100.0%	EUR share (Covered bonds)	n/a
Fixed interest (Covered bonds)	100.0%	Largest FX position (NPV in EURm)	-
WAL (Cover pool)	5.7y	Share of largest exposure tranche	64.2% (< EUR 0.3m)
WAL (Covered Bonds)	4.5y	Avg. seasoning	5.4y
Avg. LTV (Original value)	53.5%	Loans in arrears (>90 days)	0.00%
Avg. LTV (Market value)	n/a		

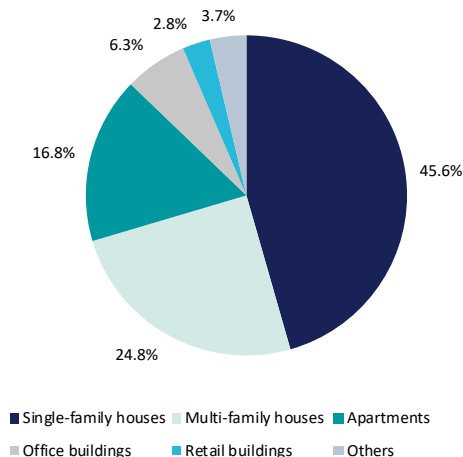
### Development of cover pool data



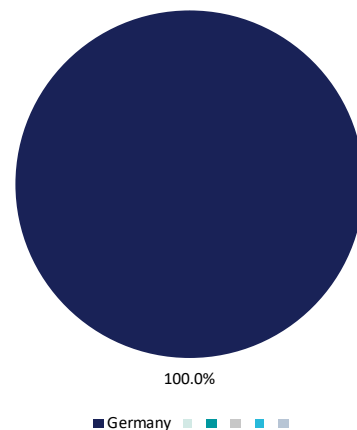
### Maturity structure



### Composition of cover pool



### Regional distribution of properties



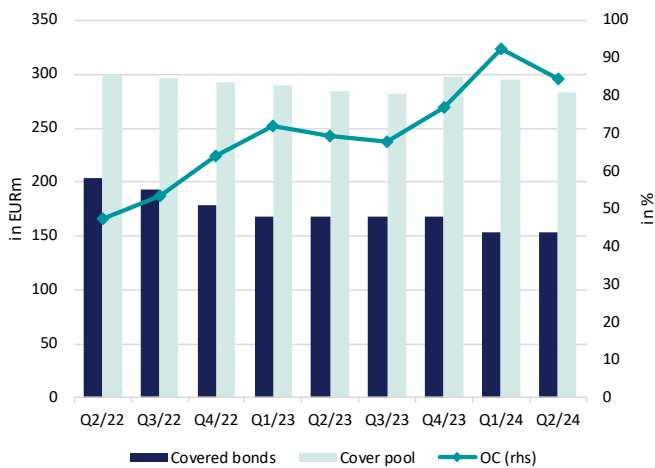
## Kreissparkasse Köln

## Public sector

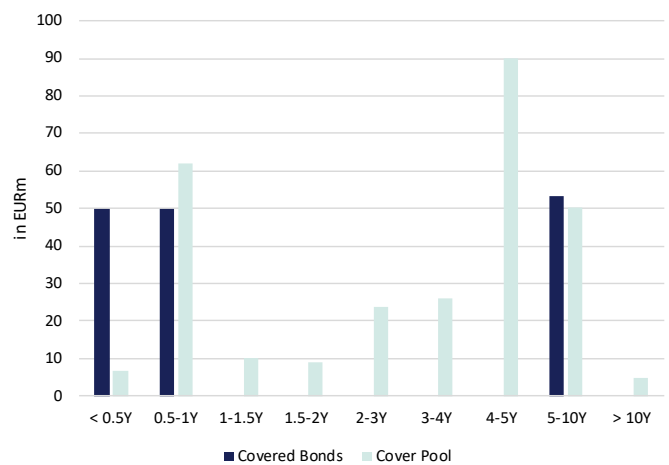
### Cover pool data

Cover pool (EURm)	283.0	Number of loans	125
of which substitution assets	0.0%	Number of borrowers	44
of which derivatives	0.0%	Share of 10 largest borrowers	78.6%
Covered bonds (EURm)	153.4	Avg. exposure to borrowers (EUR)	6,430,863
OC (EURm)	129.5	EUR share (Cover pool)	n/a
OC	84.4%	EUR share (Covered bonds)	n/a
Fixed interest (Cover pool)	100.0%	Largest FX position (NPV in EURm)	-
Fixed interest (Covered bonds)	100.0%	Share of largest exposure tranche	67.1% (EUR 10-100m)
WAL (Cover pool)	3.8y	Loans in arrears (>90 days)	0.00%
WAL (Covered Bonds)	3.0y		

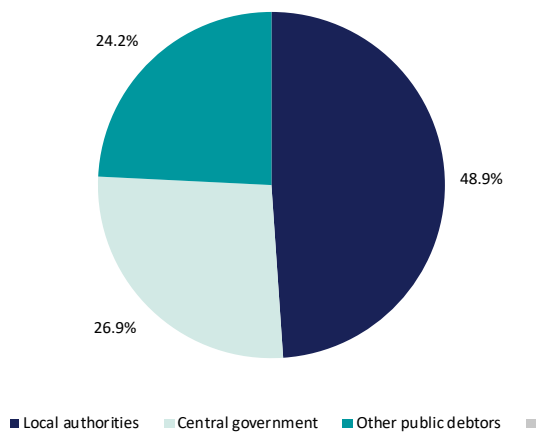
### Development of cover pool data



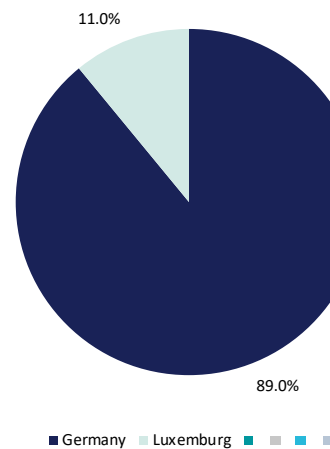
### Maturity structure



### Composition of primary assets



### Regional distribution of claims



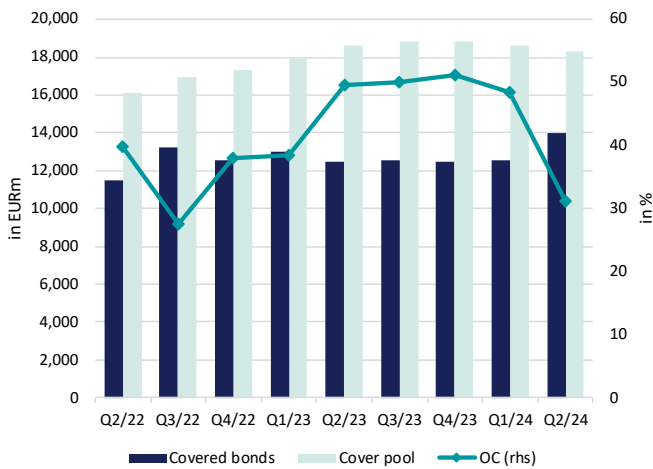
## Landesbank Baden-Württemberg

## Mortgage

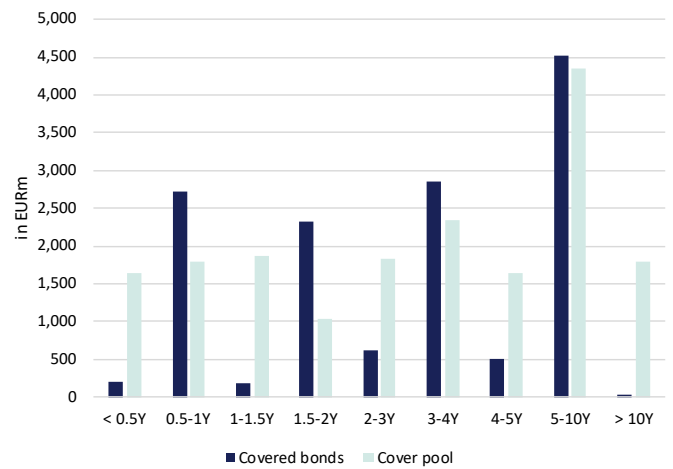
### Cover pool data

Cover pool (EURm)	18,327.6	Number of loans	n/a
of which residential	44.3%	Number of borrowers	n/a
of which commercial	50.7%	Number of properties	31,678
of which substitution assets	4.9%	Avg. exposure to borrowers (EUR)	n/a
of which derivatives	0.0%	Share of 10 largest borrowers	12.7%
Covered bonds (EURm)	13,979.1	Share of owner-occupied dwellings	16.5%
OC (EURm)	4,348.5	Share of multi-family houses	24.9%
OC	31.1%	EUR share (Cover pool)	86.4%
Fixed interest (Cover pool)	81.6%	EUR share (Covered bonds)	88.7%
Fixed interest (Covered bonds)	84.1%	Largest FX position (NPV in EURm)	USD (-1,242.9)
WAL (Cover pool)	4.7y	Share of largest exposure tranche	58.2% (> EUR 10m)
WAL (Covered Bonds)	3.6y	Avg. seasoning	5.9y
Avg. LTV (Original value)	55.2%	Loans in arrears (>90 days)	0.00%
Avg. LTV (Market value)	n/a		

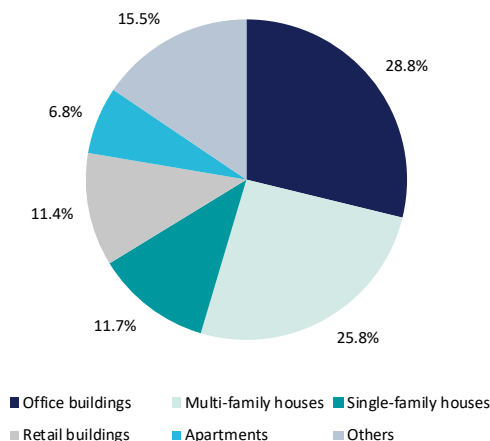
### Development of cover pool data



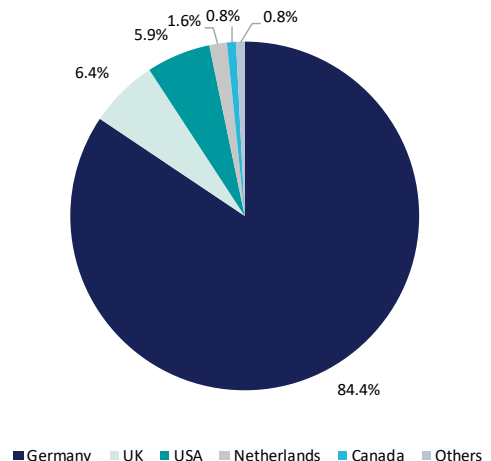
### Maturity structure



### Composition of cover pool



### Regional distribution of properties





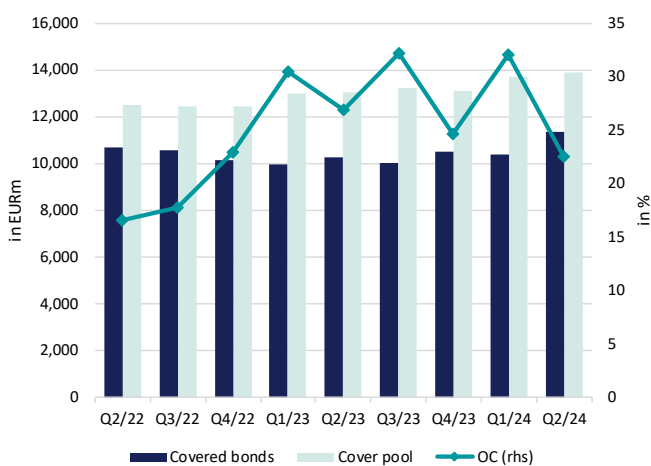
## Landesbank Baden-Württemberg

## Public sector

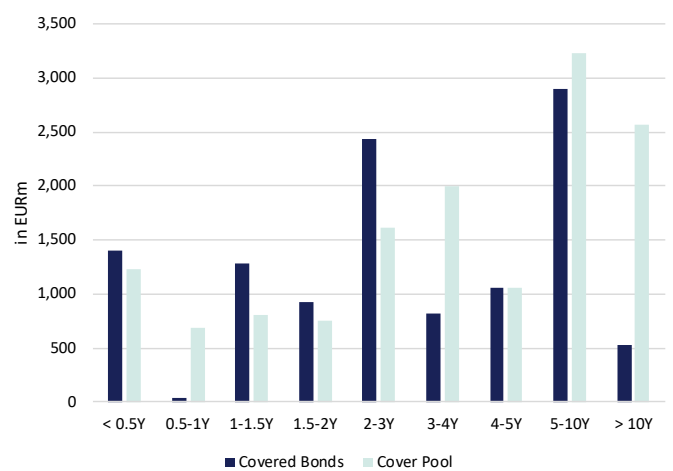
### Cover pool data

Cover pool (EURm)	13,938.2	Number of loans	n/a
of which substitution assets	0.0%	Number of borrowers	2,807
of which derivatives	0.0%	Share of 10 largest borrowers	20.3%
Covered bonds (EURm)	11,376.9	Avg. exposure to borrowers (EUR)	4,965,527
OC (EURm)	2,561.3	EUR share (Cover pool)	96.1%
OC	22.5%	EUR share (Covered bonds)	96.3%
Fixed interest (Cover pool)	73.8%	Largest FX position (NPV in EURm)	USD (-87.7)
Fixed interest (Covered bonds)	86.5%	Share of largest exposure tranche	50.6% (> EUR 100m)
WAL (Cover pool)	6.2y	Loans in arrears (>90 days)	0.00%
WAL (Covered Bonds)	4.2y		

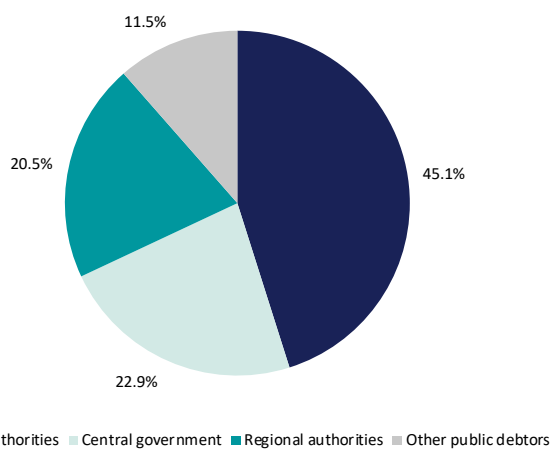
### Development of cover pool data



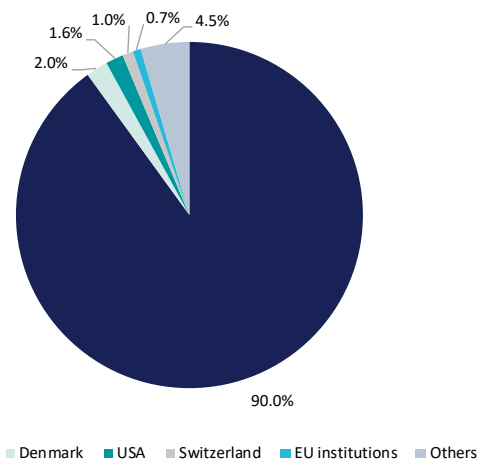
### Maturity structure



### Composition of primary assets



### Regional distribution of claims



Source: vdp, NORD/LB Floor Research

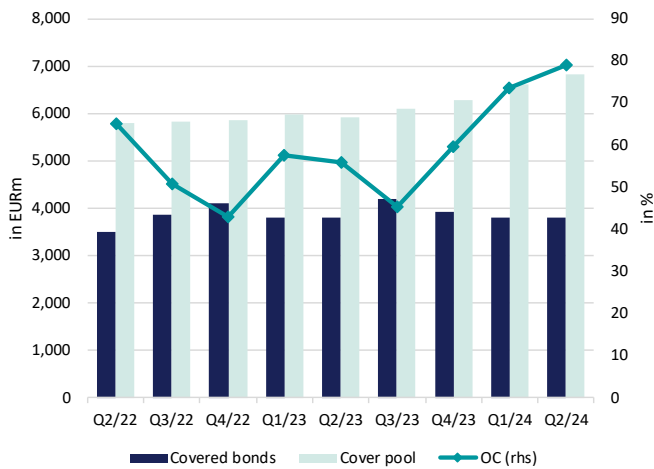
## Landesbank Berlin

## Mortgage

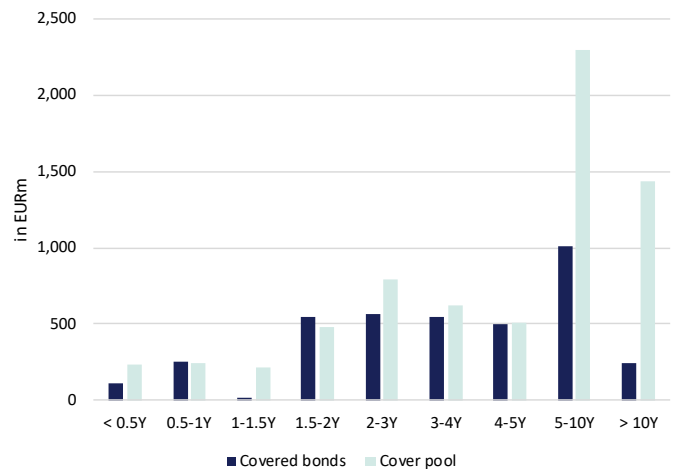
### Cover pool data

Cover pool (EURm)	6,827.4	Number of loans	7,871
of which residential	65.6%	Number of borrowers	6,988
of which commercial	28.4%	Number of properties	8,098
of which substitution assets	6.0%	Avg. exposure to borrowers (EUR)	918,274
of which derivatives	0.0%	Share of 10 largest borrowers	34.3%
Covered bonds (EURm)	3,809.0	Share of owner-occupied dwellings	10.9%
OC (EURm)	3,018.4	Share of multi-family houses	51.5%
OC	79.2%	EUR share (Cover pool)	100.0%
Fixed interest (Cover pool)	91.6%	EUR share (Covered bonds)	100.0%
Fixed interest (Covered bonds)	100.0%	Largest FX position (NPV in EURm)	-
WAL (Cover pool)	6.4y	Share of largest exposure tranche	56.9% (> EUR 10m)
WAL (Covered Bonds)	4.6y	Avg. seasoning	5.2y
Avg. LTV (Original value)	56.8%	Loans in arrears (>90 days)	0.00%
Avg. LTV (Market value)	n/a		

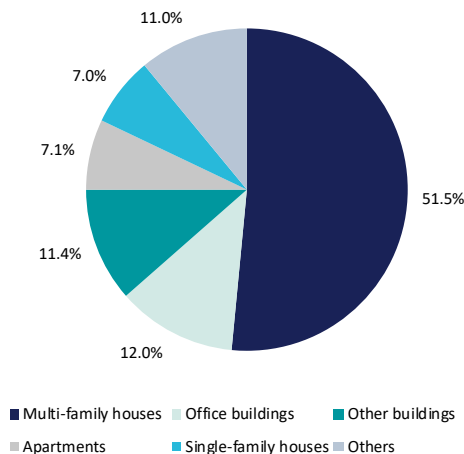
### Development of cover pool data



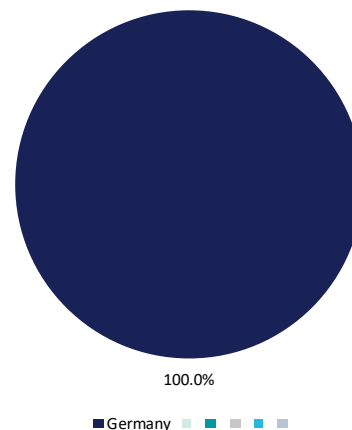
### Maturity structure



### Composition of cover pool



### Regional distribution of properties



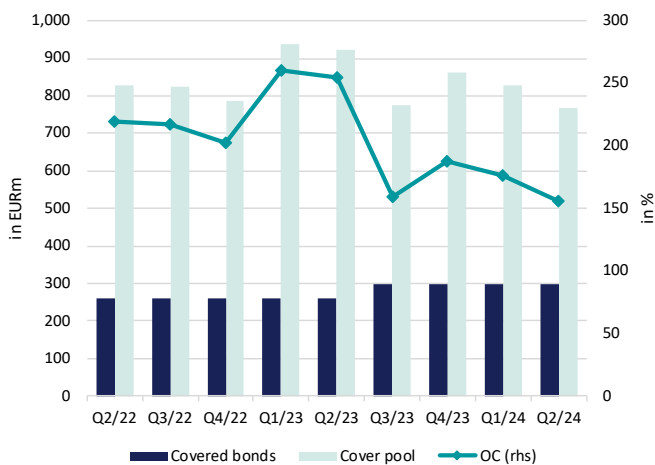
## Landesbank Berlin

## Public sector

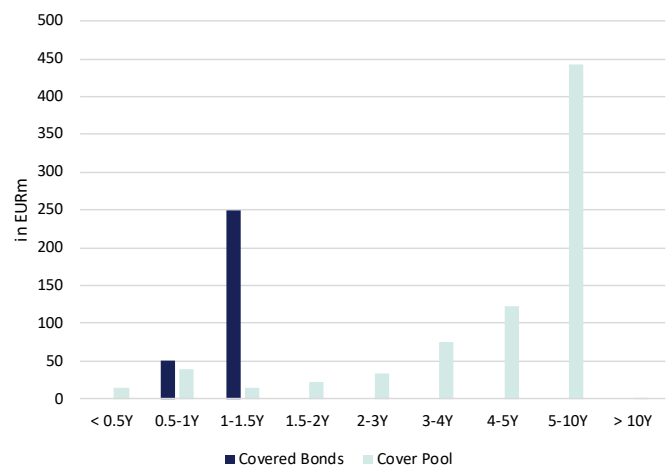
### Cover pool data

Cover pool (EURm)	767.3	Number of loans	24
of which substitution assets	0.0%	Number of borrowers	12
of which derivatives	0.0%	Share of 10 largest borrowers	95.4%
Covered bonds (EURm)	300.0	Avg. exposure to borrowers (EUR)	63,945,525
OC (EURm)	467.3	EUR share (Cover pool)	100.0%
OC	155.8%	EUR share (Covered bonds)	100.0%
Fixed interest (Cover pool)	100.0%	Largest FX position (NPV in EURm)	-
Fixed interest (Covered bonds)	100.0%	Share of largest exposure tranche	90.6% (> EUR 100m)
WAL (Cover pool)	5.1y	Loans in arrears (>90 days)	0.00%
WAL (Covered Bonds)	1.0y		

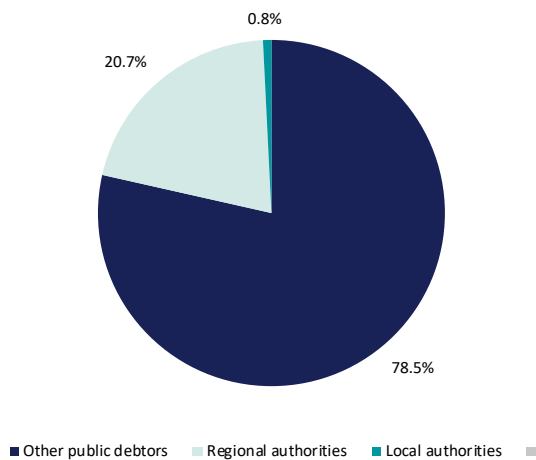
### Development of cover pool data



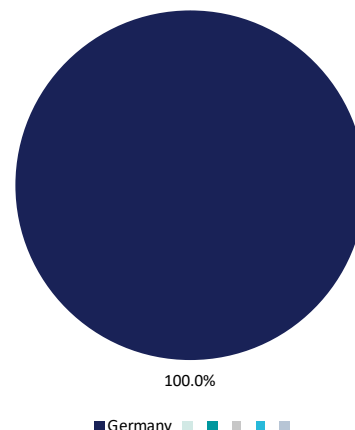
### Maturity structure



### Composition of primary assets



### Regional distribution of claims



Source: vdp, NORD/LB Floor Research

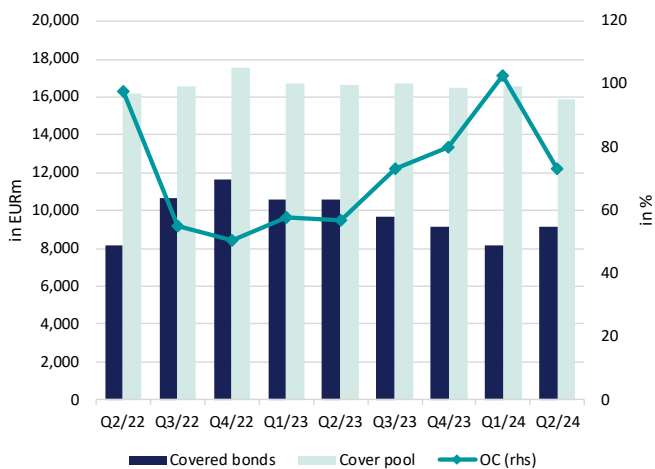
## Landesbank Hessen-Thüringen

## Mortgage

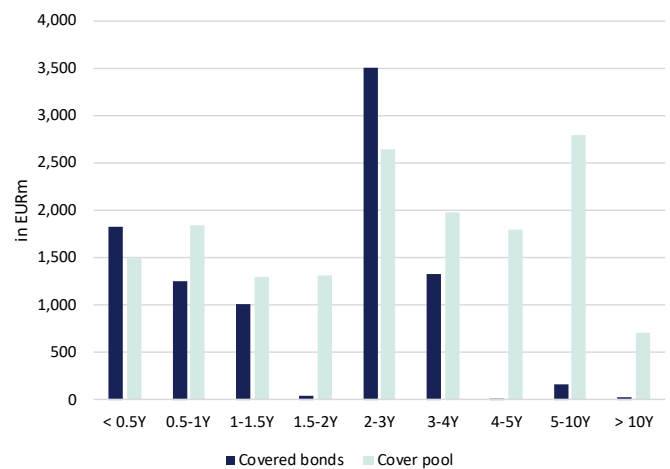
### Cover pool data

Cover pool (EURm)	15,886.0	Number of loans	12,206
of which residential	32.1%	Number of borrowers	10,857
of which commercial	62.5%	Number of properties	12,416
of which substitution assets	5.4%	Avg. exposure to borrowers (EUR)	1,384,238
of which derivatives	0.0%	Share of 10 largest borrowers	9.1%
Covered bonds (EURm)	9,158.0	Share of owner-occupied dwellings	8.6%
OC (EURm)	6,728.0	Share of multi-family houses	22.2%
OC	73.5%	EUR share (Cover pool)	74.3%
Fixed interest (Cover pool)	74.9%	EUR share (Covered bonds)	100.0%
Fixed interest (Covered bonds)	67.2%	Largest FX position (NPV in EURm)	USD (2,888.1)
WAL (Cover pool)	3.5y	Share of largest exposure tranche	82.3% (> EUR 10m)
WAL (Covered Bonds)	1.9y	Avg. seasoning	5.0y
Avg. LTV (Original value)	58.1%	Loans in arrears (>90 days)	0.00%
Avg. LTV (Market value)	n/a		

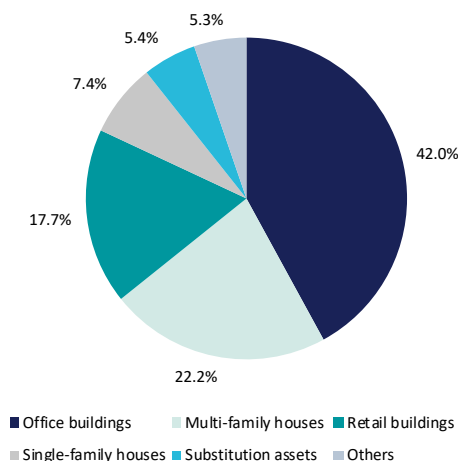
### Development of cover pool data



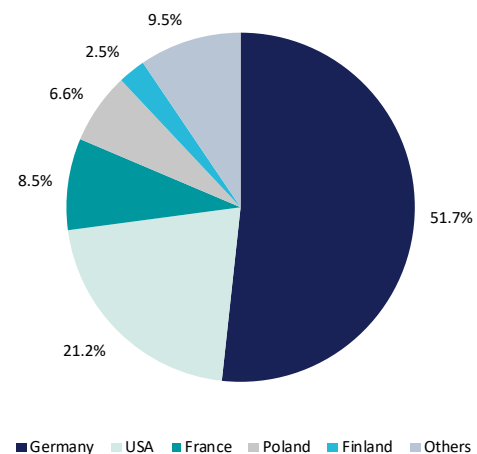
### Maturity structure



### Composition of cover pool



### Regional distribution of properties



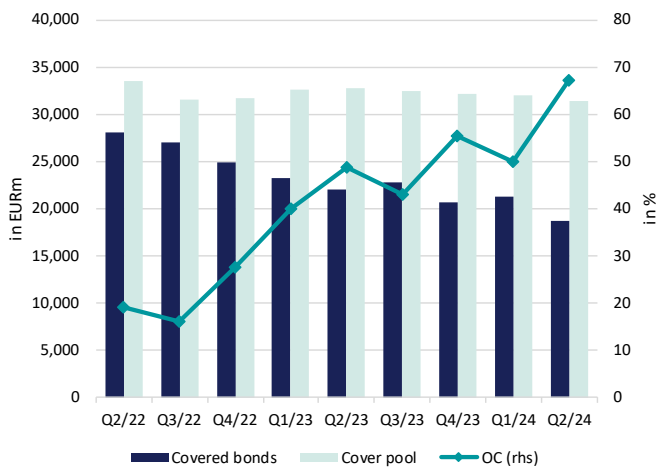
## Landesbank Hessen-Thüringen

## Public sector

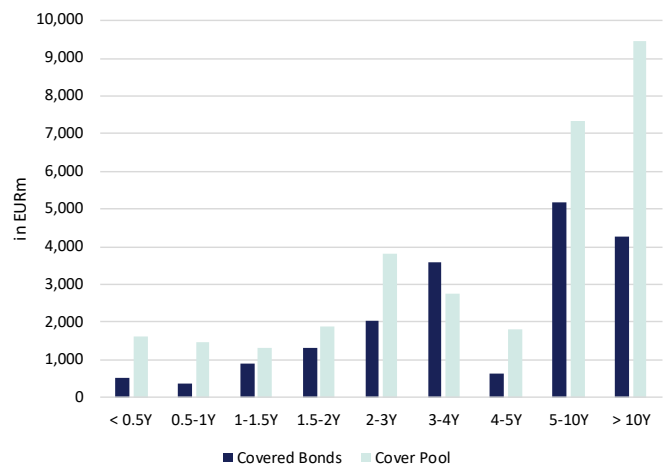
### Cover pool data

Cover pool (EURm)	31,475.4	Number of loans	17,240
of which substitution assets	0.0%	Number of borrowers	4,384
of which derivatives	0.0%	Share of 10 largest borrowers	31.1%
Covered bonds (EURm)	18,815.8	Avg. exposure to borrowers (EUR)	7,179,609
OC (EURm)	12,659.6	EUR share (Cover pool)	98.7%
OC	67.3%	EUR share (Covered bonds)	100.0%
Fixed interest (Cover pool)	94.2%	Largest FX position (NPV in EURm)	USD (345.3)
Fixed interest (Covered bonds)	94.1%	Share of largest exposure tranche	62.6% (> EUR 100m)
WAL (Cover pool)	7.8y	Loans in arrears (>90 days)	0.00%
WAL (Covered Bonds)	6.9y		

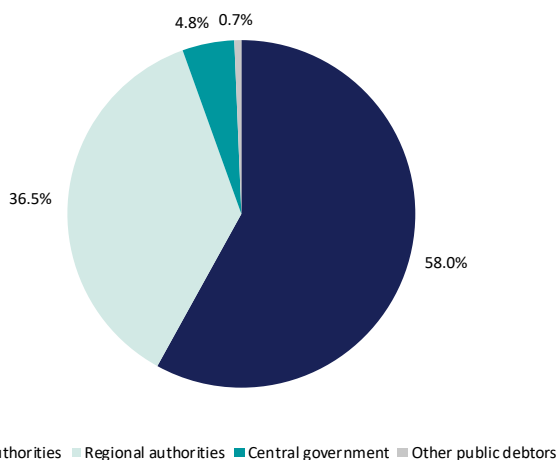
### Development of cover pool data



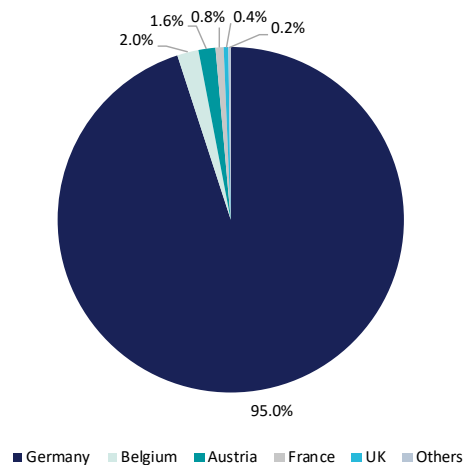
### Maturity structure



### Composition of primary assets



### Regional distribution of claims



Source: vdp, NORD/LB Floor Research

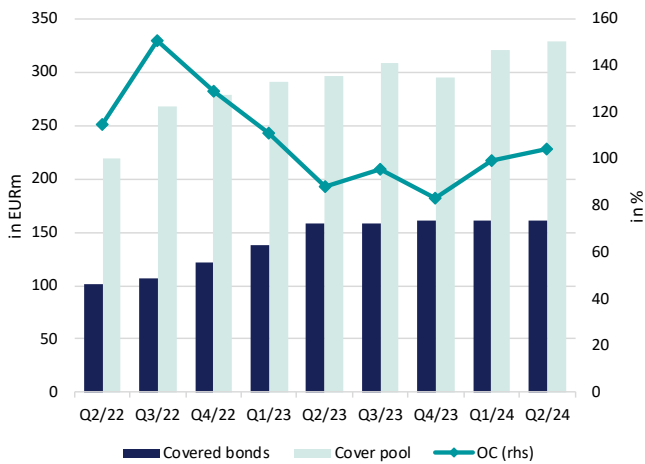
## LIGA Bank

## Mortgage

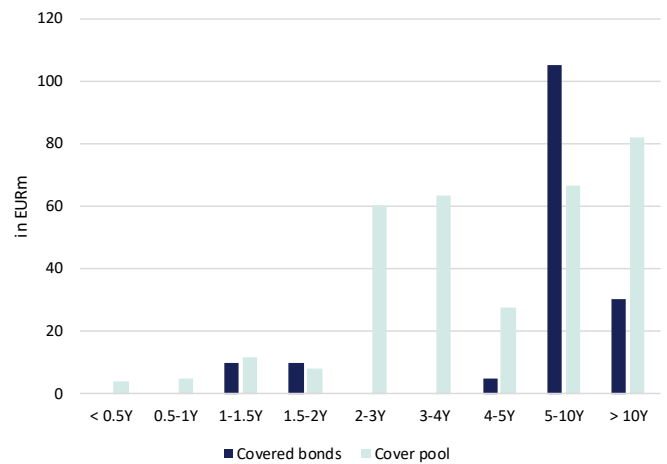
### Cover pool data

Cover pool (EURm)	329.0	Number of loans	n/a
of which residential	97.0%	Number of borrowers	n/a
of which commercial	0.0%	Number of properties	n/a
of which substitution assets	0.0%	Avg. exposure to borrowers (EUR)	n/a
of which derivatives	0.0%	Share of 10 largest borrowers	n/a
Covered bonds (EURm)	160.8	Share of owner-occupied dwellings	n/a
OC (EURm)	168.2	Share of multi-family houses	n/a
OC	104.6%	EUR share (Cover pool)	n/a
Fixed interest (Cover pool)	100.0%	EUR share (Covered bonds)	n/a
Fixed interest (Covered bonds)	100.0%	Largest FX position (NPV in EURm)	-
WAL (Cover pool)	n/a	Share of largest exposure tranche	54.5% (EUR 1-10m)
WAL (Covered Bonds)	n/a	Avg. seasoning	5.4y
Avg. LTV (Original value)	53.3%	Loans in arrears (>90 days)	0.00%
Avg. LTV (Market value)	n/a		

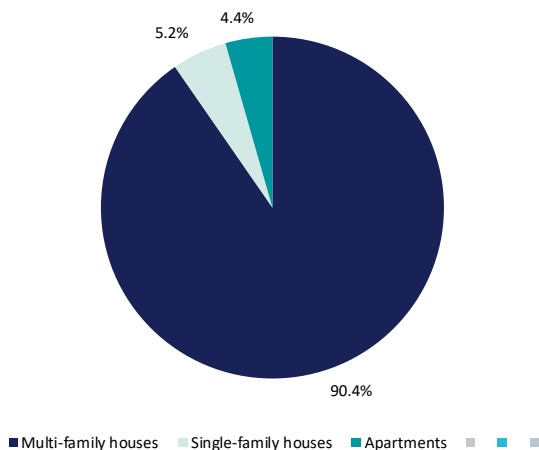
### Development of cover pool data



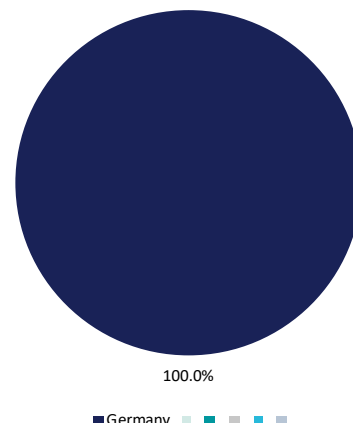
### Maturity structure



### Composition of cover pool



### Regional distribution of properties



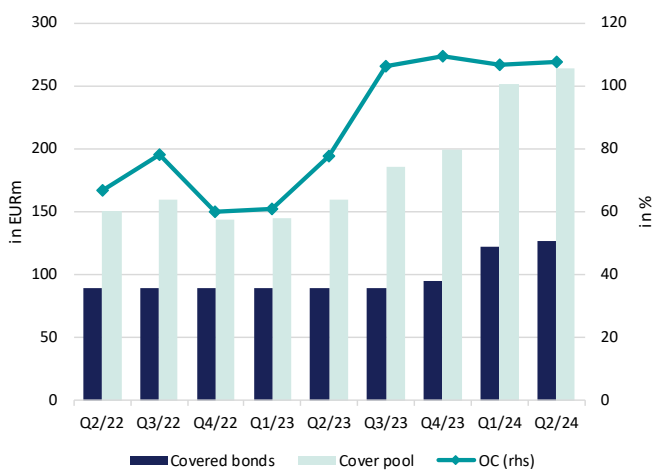
## LIGA Bank

## Public sector

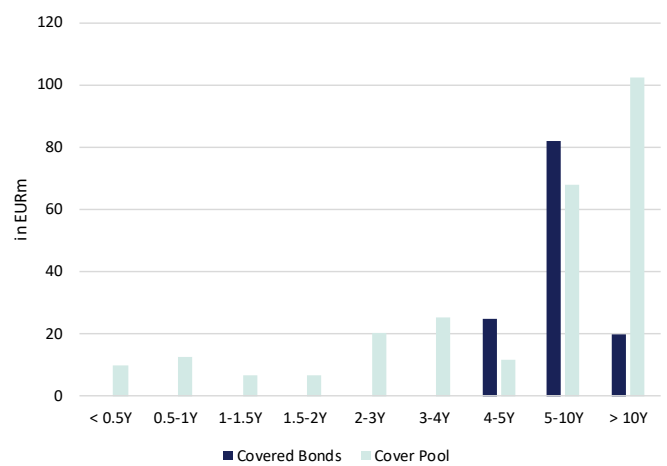
### Cover pool data

Cover pool (EURm)	264.2	Number of loans	n/a
of which substitution assets	0.0%	Number of borrowers	n/a
of which derivatives	0.0%	Share of 10 largest borrowers	n/a
Covered bonds (EURm)	127.0	Avg. exposure to borrowers (EUR)	n/a
OC (EURm)	137.2	EUR share (Cover pool)	n/a
OC	108.0%	EUR share (Covered bonds)	n/a
Fixed interest (Cover pool)	100.0%	Largest FX position (NPV in EURm)	-
Fixed interest (Covered bonds)	100.0%	Share of largest exposure tranche	51.2% (< EUR 10m)
WAL (Cover pool)	n/a	Loans in arrears (>90 days)	0.00%
WAL (Covered Bonds)	n/a		

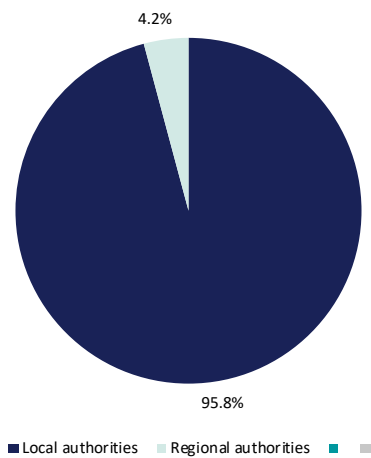
### Development of cover pool data



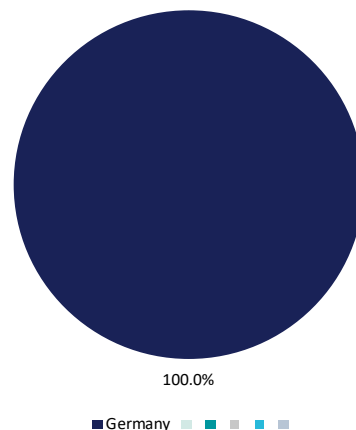
### Maturity structure



### Composition of primary assets



### Regional distribution of claims



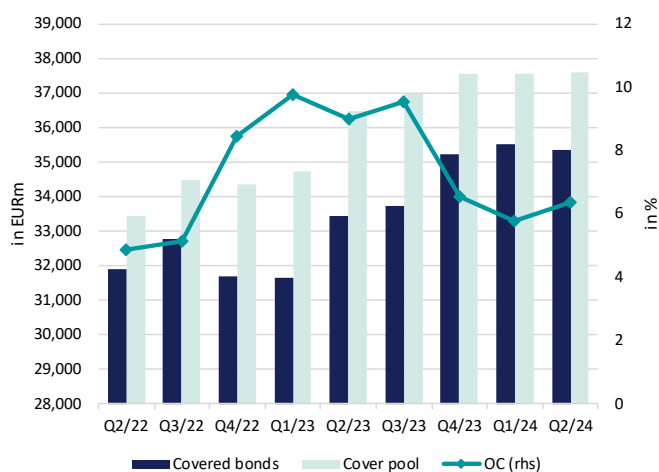
## Münchener Hypothekbank

## Mortgage

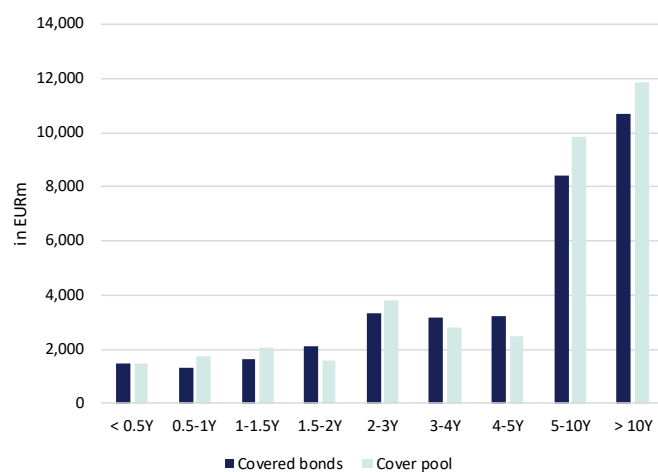
### Cover pool data

Cover pool (EURm)	37,621.3	Number of loans	204,172
of which residential	78.2%	Number of borrowers	179,241
of which commercial	17.9%	Number of properties	191,029
of which substitution assets	3.9%	Avg. exposure to borrowers (EUR)	201,719
of which derivatives	0.0%	Share of 10 largest borrowers	1.8%
Covered bonds (EURm)	35,361.1	Share of owner-occupied dwellings	51.8%
OC (EURm)	2,260.2	Share of multi-family houses	14.8%
OC	6.4%	EUR share (Cover pool)	82.7%
Fixed interest (Cover pool)	95.5%	EUR share (Covered bonds)	88.3%
Fixed interest (Covered bonds)	94.7%	Largest FX position (NPV in EURm)	CHF (1,141.8)
WAL (Cover pool)	8.2y	Share of largest exposure tranche	56.3% (< EUR 0.3m)
WAL (Covered Bonds)	8.3y	Avg. seasoning	5.5y
Avg. LTV (Original value)	52.3%	Loans in arrears (>90 days)	0.05%
Avg. LTV (Market value)	n/a		

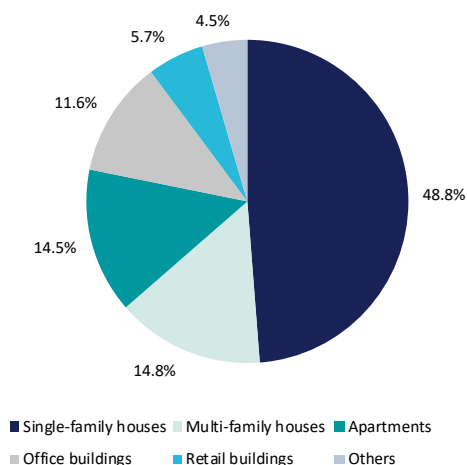
### Development of cover pool data



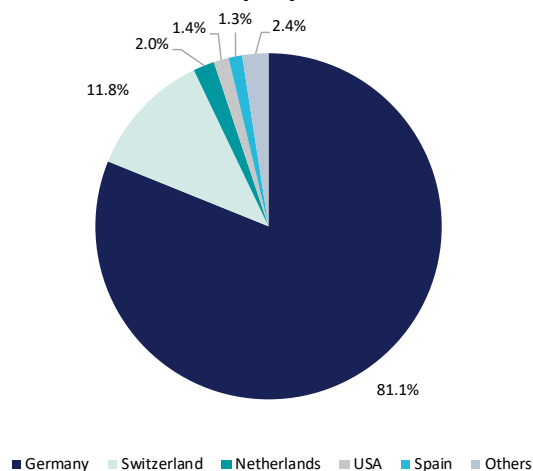
### Maturity structure



### Composition of cover pool



### Regional distribution of properties





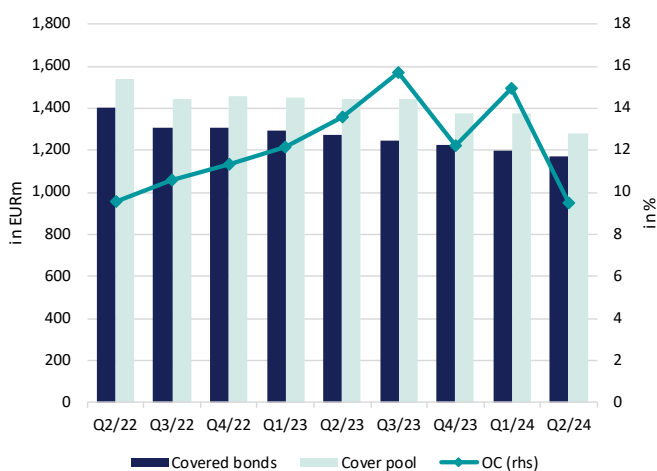
## Münchener Hypothekbank

## Public sector

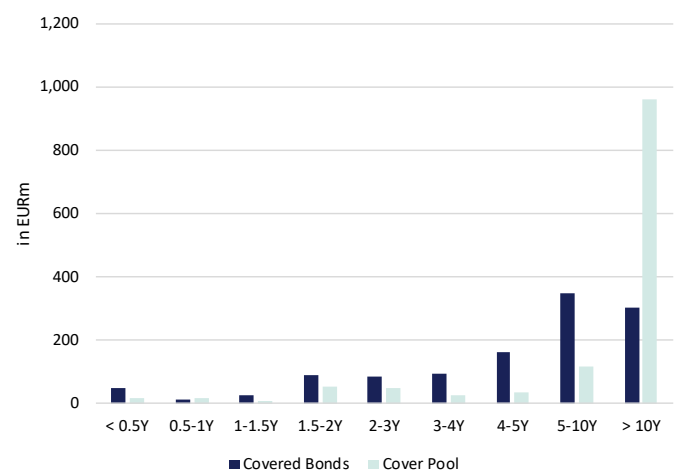
### Cover pool data

Cover pool (EURm)	1,280.3	Number of loans	182
of which substitution assets	0.0%	Number of borrowers	127
of which derivatives	0.0%	Share of 10 largest borrowers	90.6%
Covered bonds (EURm)	1,169.6	Avg. exposure to borrowers (EUR)	10,081,102
OC (EURm)	110.7	EUR share (Cover pool)	100.0%
OC	9.5%	EUR share (Covered bonds)	100.0%
Fixed interest (Cover pool)	94.1%	Largest FX position (NPV in EURm)	-
Fixed interest (Covered bonds)	91.4%	Share of largest exposure tranche	61.3% (> EUR 100m)
WAL (Cover pool)	13.0y	Loans in arrears (>90 days)	0.00%
WAL (Covered Bonds)	7.4y		

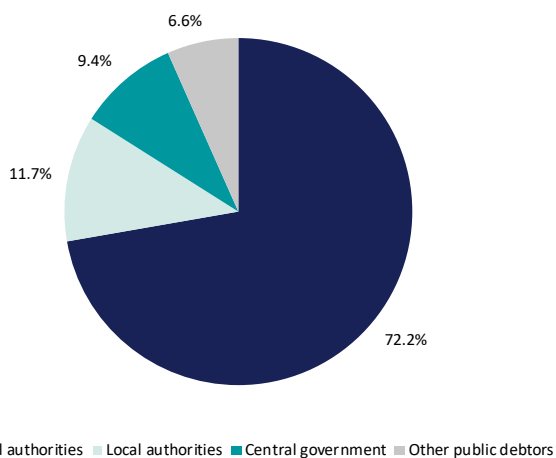
### Development of cover pool data



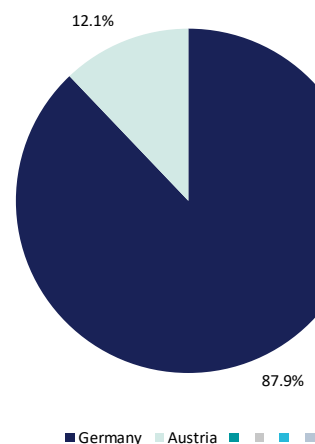
### Maturity structure



### Composition of primary assets



### Regional distribution of claims



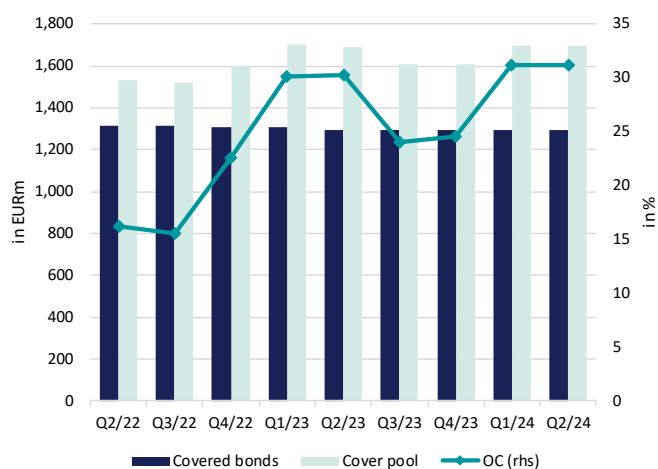
## NATIXIS Pfandbriefbank

## Mortgage

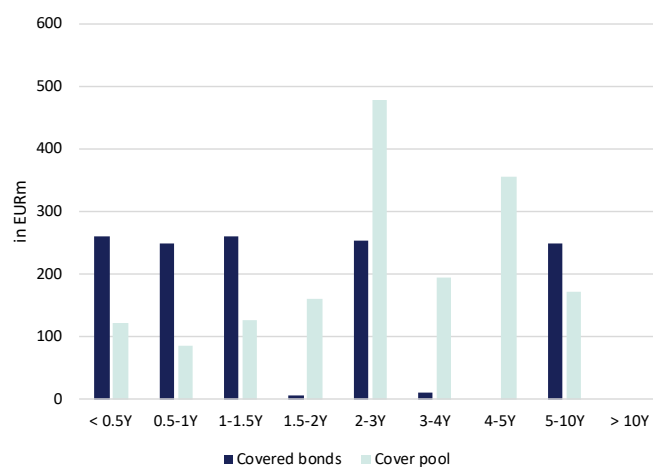
### Cover pool data

Cover pool (EURm)	1,693.0	Number of loans	85
of which residential	9.4%	Number of borrowers	157
of which commercial	76.7%	Number of properties	380
of which substitution assets	13.9%	Avg. exposure to borrowers (EUR)	9,283,248
of which derivatives	0.0%	Share of 10 largest borrowers	4.6%
Covered bonds (EURm)	1,291.0	Share of owner-occupied dwellings	0.0%
OC (EURm)	402.0	Share of multi-family houses	9.4%
OC	31.1%	EUR share (Cover pool)	97.1%
Fixed interest (Cover pool)	48.6%	EUR share (Covered bonds)	100.0%
Fixed interest (Covered bonds)	100.0%	Largest FX position (NPV in EURm)	GBP (43.4)
WAL (Cover pool)	3.0y	Share of largest exposure tranche	92.0% (> EUR 10m)
WAL (Covered Bonds)	2.3y	Avg. seasoning	4.0y
Avg. LTV (Original value)	57.9%	Loans in arrears (>90 days)	0.00%
Avg. LTV (Market value)	n/a		

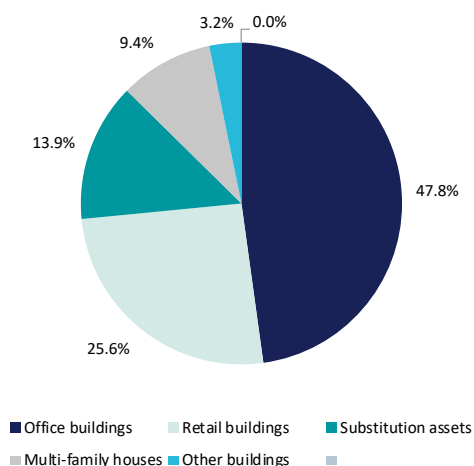
### Development of cover pool data



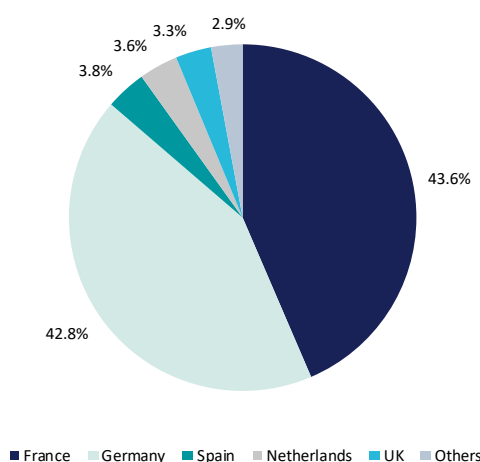
### Maturity structure



### Composition of cover pool



### Regional distribution of properties



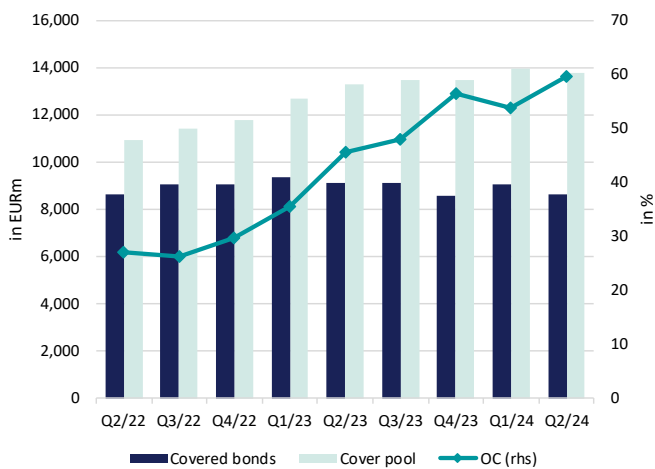
## Norddeutsche Landesbank

## Mortgage

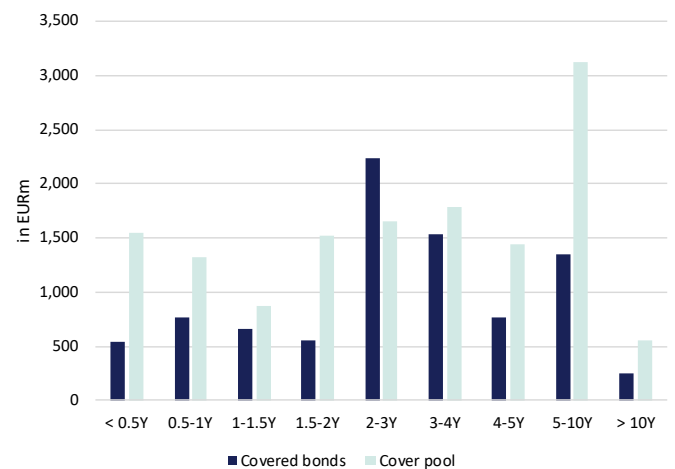
### Cover pool data

Cover pool (EURm)	13,809.2	Number of loans	n/a
of which residential	33.2%	Number of borrowers	n/a
of which commercial	63.3%	Number of properties	n/a
of which substitution assets	3.5%	Avg. exposure to borrowers (EUR)	n/a
of which derivatives	0.0%	Share of 10 largest borrowers	n/a
Covered bonds (EURm)	8,645.6	Share of owner-occupied dwellings	n/a
OC (EURm)	5,163.6	Share of multi-family houses	n/a
OC	59.7%	EUR share (Cover pool)	n/a
Fixed interest (Cover pool)	73.6%	EUR share (Covered bonds)	n/a
Fixed interest (Covered bonds)	94.9%	Largest FX position (NPV in EURm)	GBP (737.4)
WAL (Cover pool)	n/a	Share of largest exposure tranche	64.8% (> EUR 10m)
WAL (Covered Bonds)	n/a	Avg. seasoning	5.5y
Avg. LTV (Original value)	60.0%	Loans in arrears (>90 days)	0.00%
Avg. LTV (Market value)	n/a		

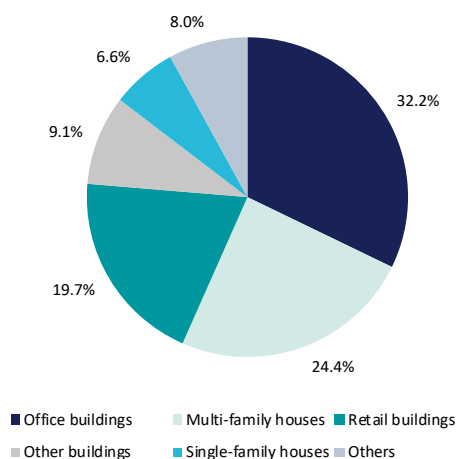
### Development of cover pool data



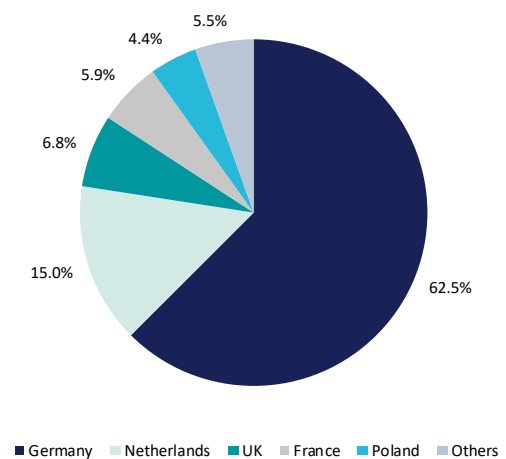
### Maturity structure



### Composition of cover pool



### Regional distribution of properties



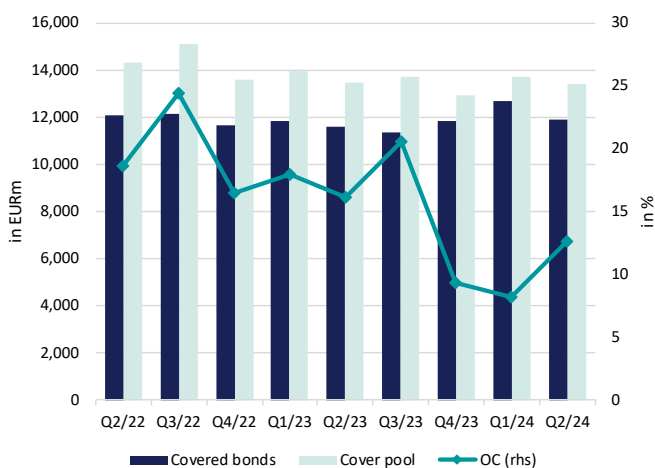
## Norddeutsche Landesbank

## Public sector

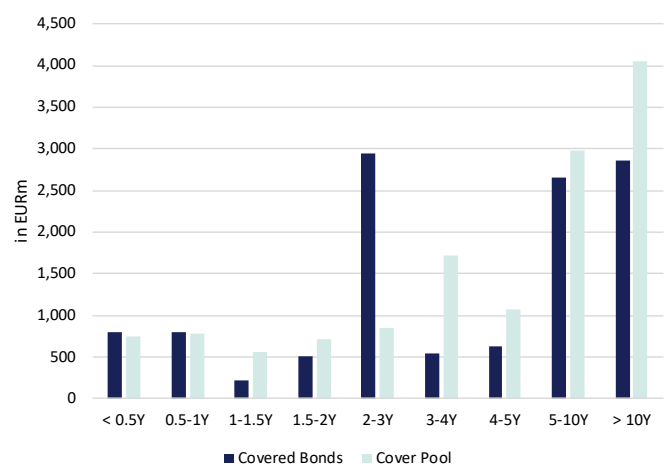
### Cover pool data

Cover pool (EURm)	13,441.6	Number of loans	3,841
of which substitution assets	3.4%	Number of borrowers	1,346
of which derivatives	0.0%	Share of 10 largest borrowers	19.6%
Covered bonds (EURm)	11,928.4	Avg. exposure to borrowers (EUR)	9,648,440
OC (EURm)	1,513.2	EUR share (Cover pool)	96.6%
OC	12.7%	EUR share (Covered bonds)	99.5%
Fixed interest (Cover pool)	87.5%	Largest FX position (NPV in EURm)	USD (169.7)
Fixed interest (Covered bonds)	97.9%	Share of largest exposure tranche	46.3% (EUR 10-100m)
WAL (Cover pool)	7.5y	Loans in arrears (>90 days)	0.04%
WAL (Covered Bonds)	6.3y		

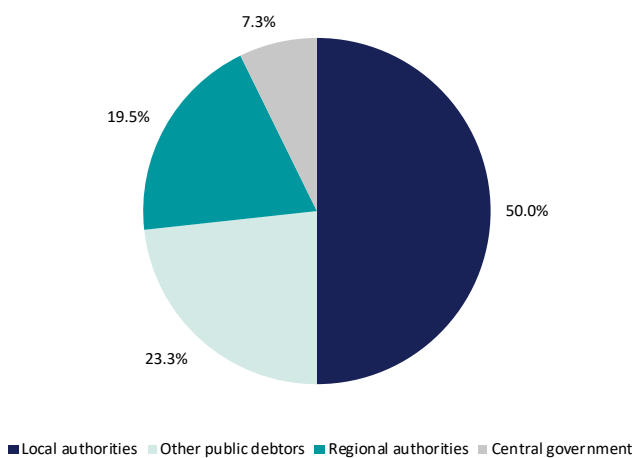
### Development of cover pool data



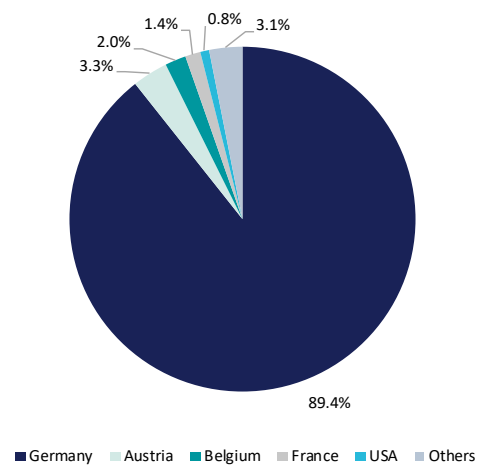
### Maturity structure



### Composition of primary assets



### Regional distribution of claims



Source: vdp, NORD/LB Floor Research

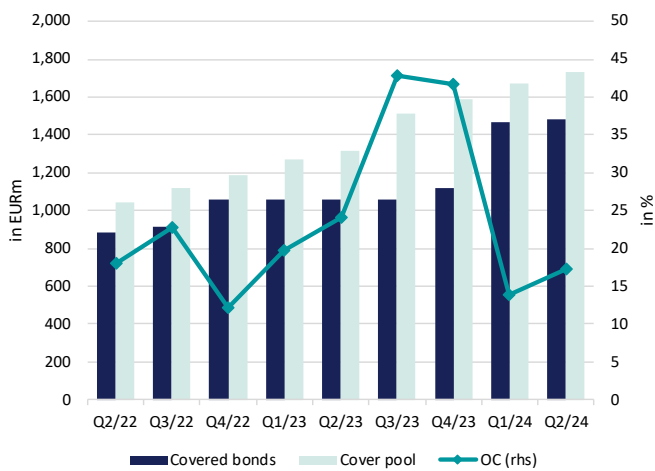
## Oldenburgische Landesbank

## Mortgage

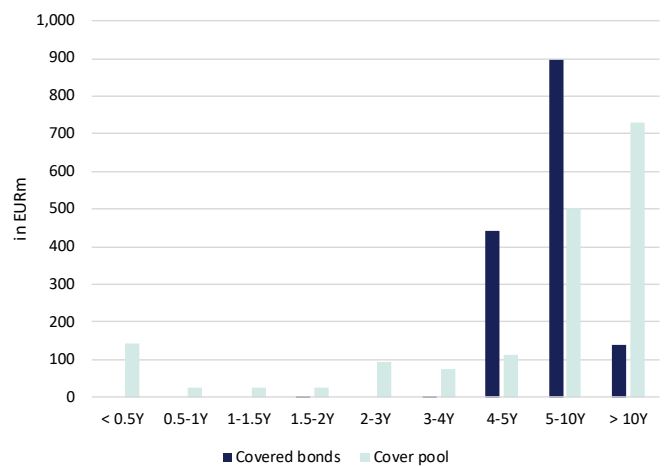
### Cover pool data

Cover pool (EURm)	1,735.5	Number of loans	n/a
of which residential	88.2%	Number of borrowers	n/a
of which commercial	1.7%	Number of properties	n/a
of which substitution assets	10.1%	Avg. exposure to borrowers (EUR)	n/a
of which derivatives	0.0%	Share of 10 largest borrowers	n/a
Covered bonds (EURm)	1,481.0	Share of owner-occupied dwellings	n/a
OC (EURm)	254.5	Share of multi-family houses	n/a
OC	17.2%	EUR share (Cover pool)	n/a
Fixed interest (Cover pool)	89.9%	EUR share (Covered bonds)	n/a
Fixed interest (Covered bonds)	100.0%	Largest FX position (NPV in EURm)	-
WAL (Cover pool)	n/a	Share of largest exposure tranche	93.6% (< EUR 0.3m)
WAL (Covered Bonds)	n/a	Avg. seasoning	5.2y
Avg. LTV (Original value)	56.2%	Loans in arrears (>90 days)	0.00%
Avg. LTV (Market value)	n/a		

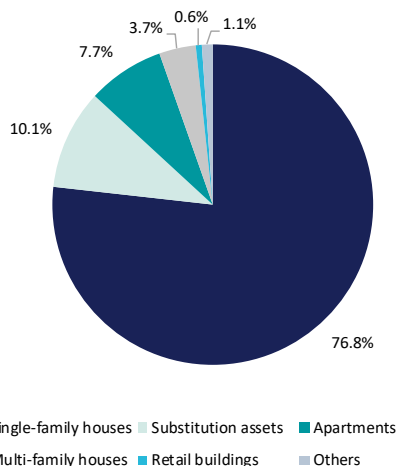
### Development of cover pool data



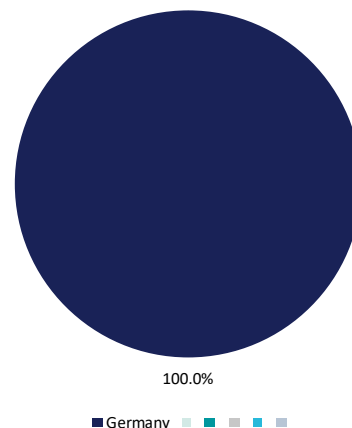
### Maturity structure



### Composition of cover pool



### Regional distribution of properties



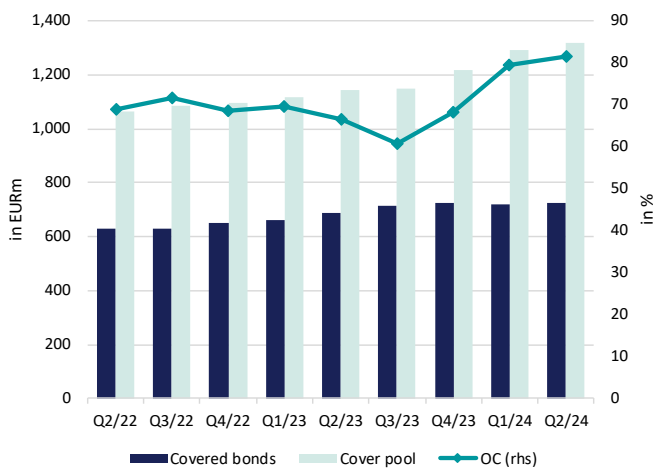
## PSD Bank Nürnberg

## Mortgage

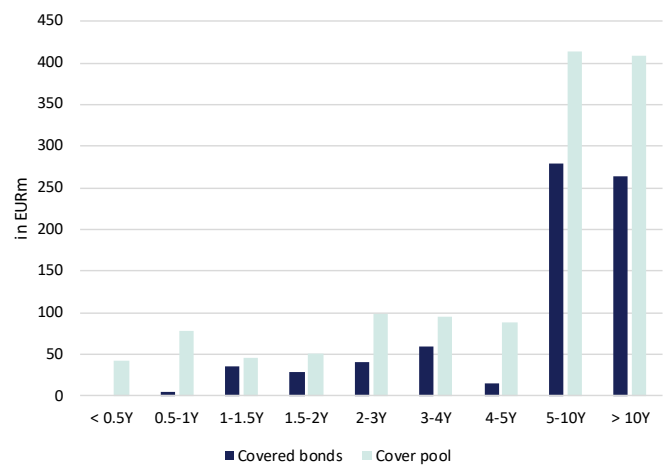
### Cover pool data

Cover pool (EURm)	1,318.4	Number of loans	12,691
of which residential	98.1%	Number of borrowers	10,262
of which commercial	0.0%	Number of properties	11,773
of which substitution assets	1.9%	Avg. exposure to borrowers (EUR)	125,988
of which derivatives	0.0%	Share of 10 largest borrowers	0.4%
Covered bonds (EURm)	725.6	Share of owner-occupied dwellings	86.3%
OC (EURm)	592.8	Share of multi-family houses	0.0%
OC	81.7%	EUR share (Cover pool)	100.0%
Fixed interest (Cover pool)	100.0%	EUR share (Covered bonds)	100.0%
Fixed interest (Covered bonds)	100.0%	Largest FX position (NPV in EURm)	-
WAL (Cover pool)	7.8y	Share of largest exposure tranche	97.0% (< EUR 0.3m)
WAL (Covered Bonds)	9.7y	Avg. seasoning	5.6y
Avg. LTV (Original value)	50.3%	Loans in arrears (>90 days)	0.00%
Avg. LTV (Market value)	n/a		

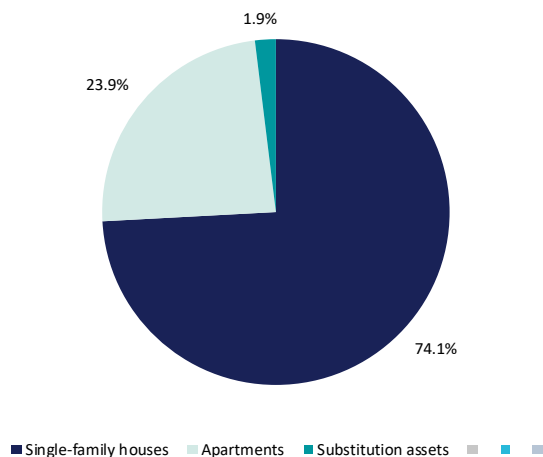
### Development of cover pool data



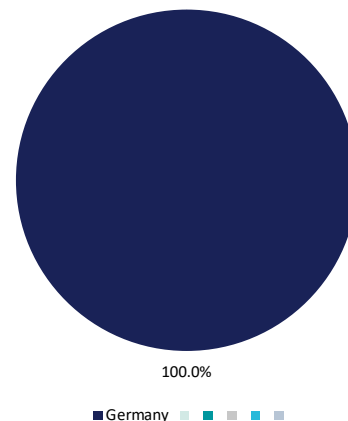
### Maturity structure



### Composition of cover pool



### Regional distribution of properties



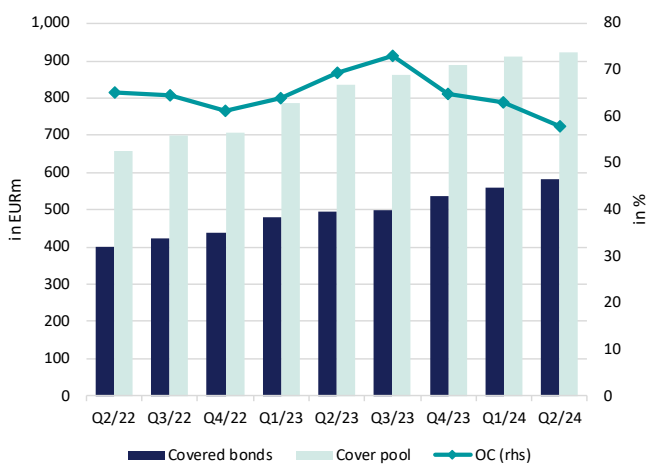
## PSD Bank Rhein-Ruhr

## Mortgage

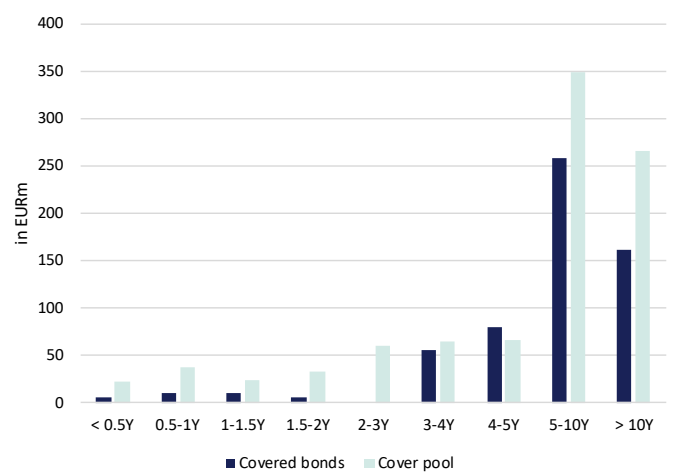
### Cover pool data

Cover pool (EURm)	922.8	Number of loans	9,194
of which residential	97.6%	Number of borrowers	7,217
of which commercial	0.0%	Number of properties	7,626
of which substitution assets	2.4%	Avg. exposure to borrowers (EUR)	124,815
of which derivatives	0.0%	Share of 10 largest borrowers	0.8%
Covered bonds (EURm)	584.0	Share of owner-occupied dwellings	87.5%
OC (EURm)	338.8	Share of multi-family houses	6.9%
OC	58.0%	EUR share (Cover pool)	100.0%
Fixed interest (Cover pool)	100.0%	EUR share (Covered bonds)	100.0%
Fixed interest (Covered bonds)	100.0%	Largest FX position (NPV in EURm)	-
WAL (Cover pool)	7.6y	Share of largest exposure tranche	92.8% (< EUR 0.3m)
WAL (Covered Bonds)	8.1y	Avg. seasoning	5.1y
Avg. LTV (Original value)	51.0%	Loans in arrears (>90 days)	0.00%
Avg. LTV (Market value)	n/a		

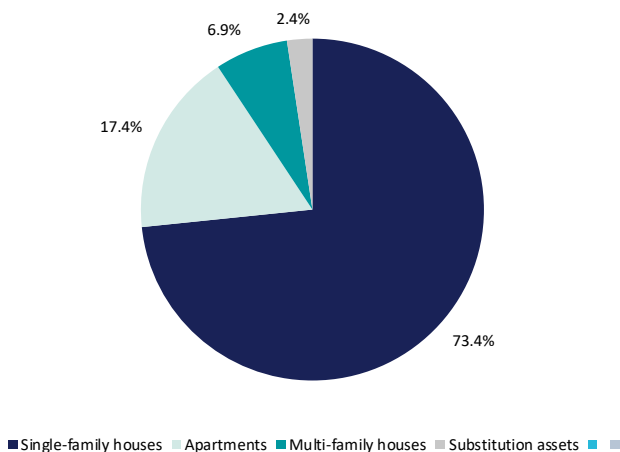
### Development of cover pool data



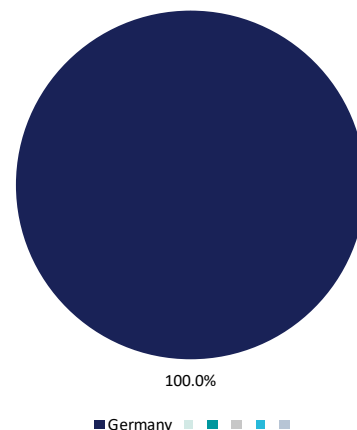
### Maturity structure



### Composition of cover pool



### Regional distribution of properties



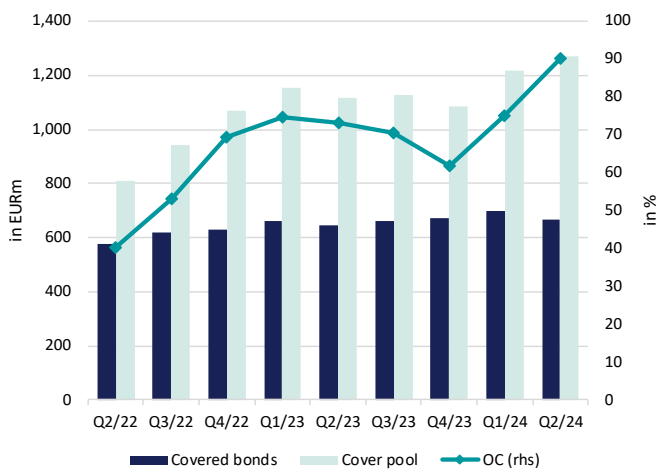
## SaarLB

## Mortgage

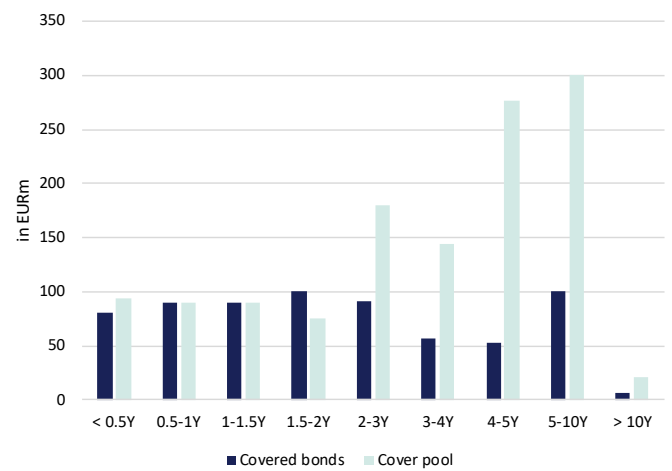
### Cover pool data

Cover pool (EURm)	1,271.7	Number of loans	n/a
of which residential	1.7%	Number of borrowers	n/a
of which commercial	94.1%	Number of properties	n/a
of which substitution assets	4.2%	Avg. exposure to borrowers (EUR)	n/a
of which derivatives	0.0%	Share of 10 largest borrowers	n/a
Covered bonds (EURm)	668.3	Share of owner-occupied dwellings	n/a
OC (EURm)	603.4	Share of multi-family houses	n/a
OC	90.3%	EUR share (Cover pool)	n/a
Fixed interest (Cover pool)	90.5%	EUR share (Covered bonds)	n/a
Fixed interest (Covered bonds)	85.8%	Largest FX position (NPV in EURm)	-
WAL (Cover pool)	n/a	Share of largest exposure tranche	60.7% (> EUR 10m)
WAL (Covered Bonds)	n/a	Avg. seasoning	4.8y
Avg. LTV (Original value)	53.2%	Loans in arrears (>90 days)	0.00%
Avg. LTV (Market value)	n/a		

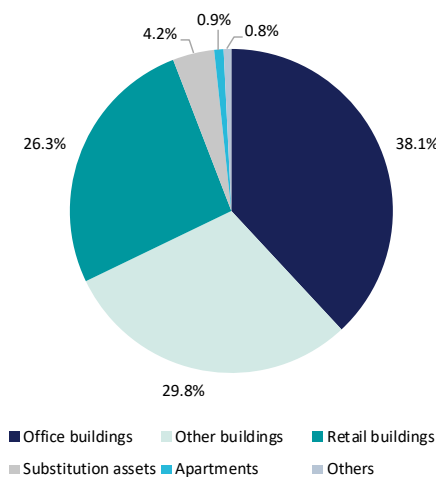
### Development of cover pool data



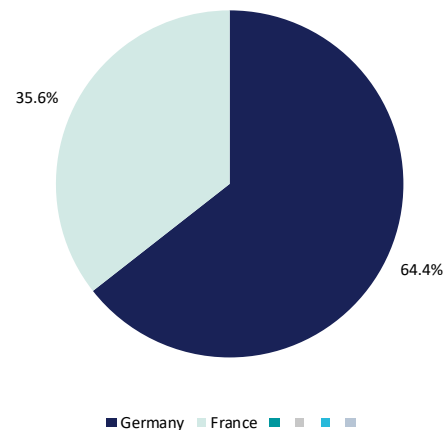
### Maturity structure



### Composition of cover pool



### Regional distribution of properties





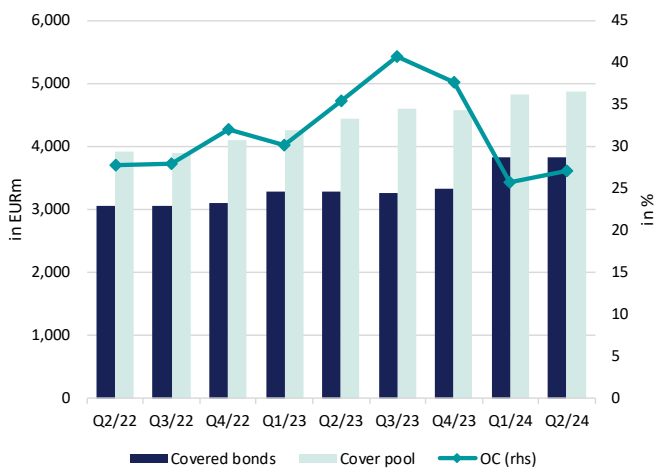
## SaarLB

## Public sector

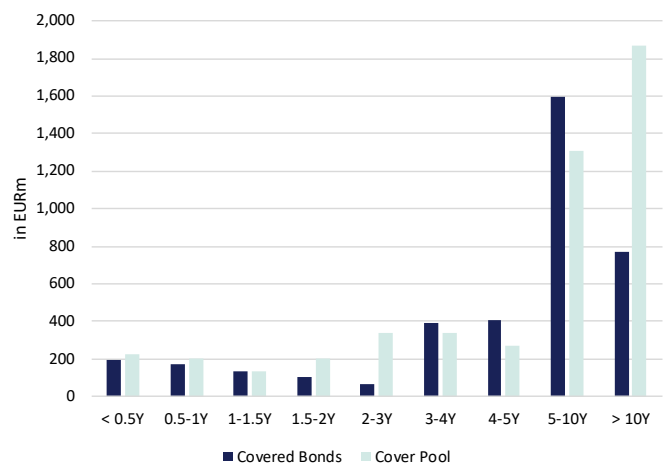
### Cover pool data

Cover pool (EURm)	4,884.7	Number of loans	n/a
of which substitution assets	0.0%	Number of borrowers	n/a
of which derivatives	0.0%	Share of 10 largest borrowers	n/a
Covered bonds (EURm)	3,839.7	Avg. exposure to borrowers (EUR)	n/a
OC (EURm)	1,045.0	EUR share (Cover pool)	n/a
OC	27.2%	EUR share (Covered bonds)	n/a
Fixed interest (Cover pool)	76.1%	Largest FX position (NPV in EURm)	-
Fixed interest (Covered bonds)	100.0%	Share of largest exposure tranche	66.0% (EUR 10-100m)
WAL (Cover pool)	n/a	Loans in arrears (>90 days)	0.00%
WAL (Covered Bonds)	n/a		

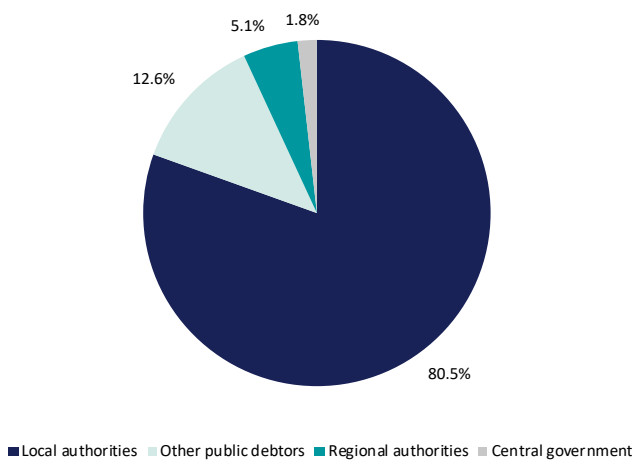
### Development of cover pool data



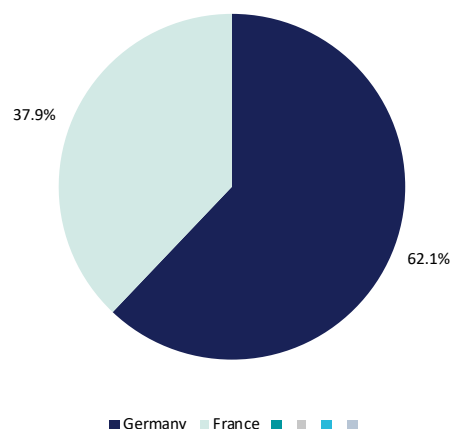
### Maturity structure



### Composition of primary assets



### Regional distribution of claims



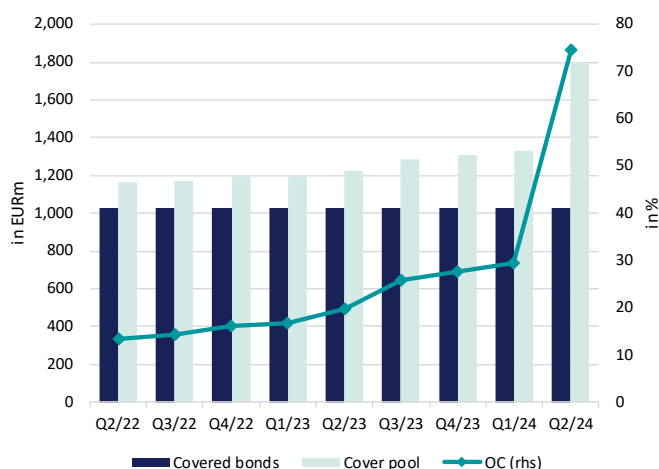
## Santander Consumer Bank

## Mortgage

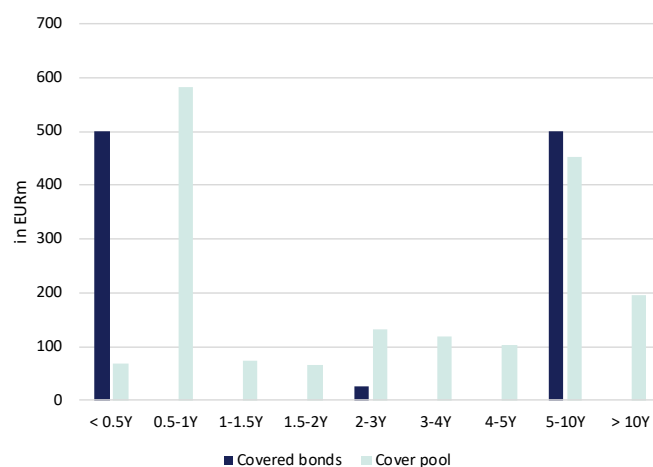
### Cover pool data

Cover pool (EURm)	1,789.9	Number of loans	18,668
of which residential	70.9%	Number of borrowers	23,728
of which commercial	0.0%	Number of properties	14,255
of which substitution assets	29.1%	Avg. exposure to borrowers (EUR)	53,520
of which derivatives	0.0%	Share of 10 largest borrowers	0.3%
Covered bonds (EURm)	1,025.0	Share of owner-occupied dwellings	60.5%
OC (EURm)	764.9	Share of multi-family houses	1.1%
OC	74.6%	EUR share (Cover pool)	100.0%
Fixed interest (Cover pool)	100.0%	EUR share (Covered bonds)	100.0%
Fixed interest (Covered bonds)	100.0%	Largest FX position (NPV in EURm)	-
WAL (Cover pool)	4.2y	Share of largest exposure tranche	91.6% (< EUR 0.3m)
WAL (Covered Bonds)	3.0y	Avg. seasoning	6.3y
Avg. LTV (Original value)	46.0%	Loans in arrears (>90 days)	0.00%
Avg. LTV (Market value)	n/a		

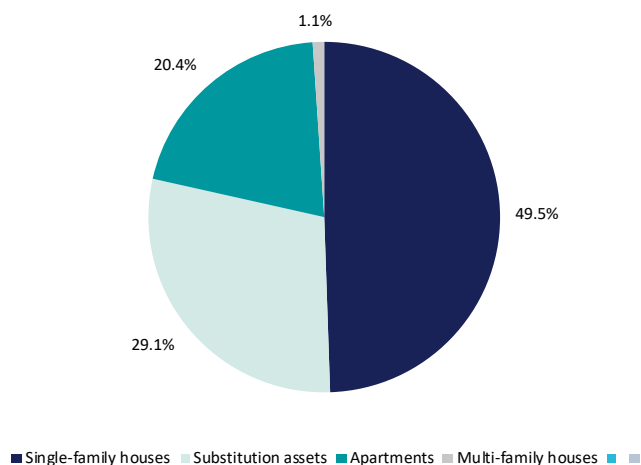
### Development of cover pool data



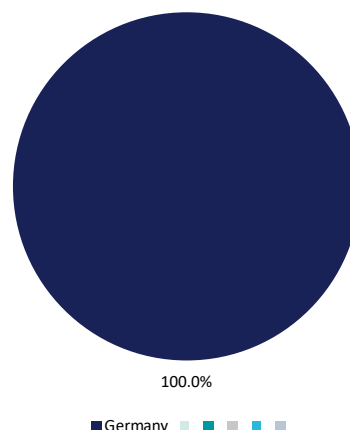
### Maturity structure



### Composition of cover pool



### Regional distribution of properties



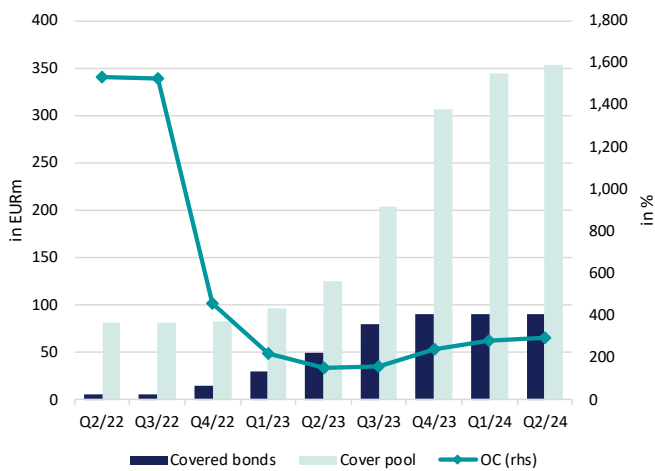
## Sparda-Bank Südwest

## Mortgage

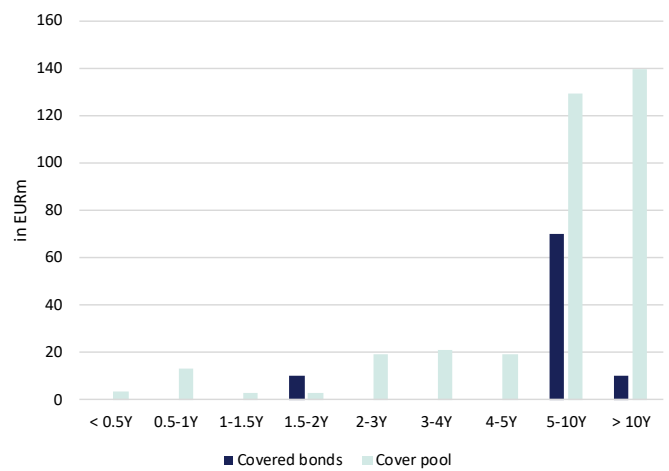
### Cover pool data

Cover pool (EURm)	353.3	Number of loans	9,194
of which residential	0.0%	Number of borrowers	7,217
of which commercial	82.8%	Number of properties	7,626
of which substitution assets	6.8%	Avg. exposure to borrowers (EUR)	45,580
of which derivatives	0.0%	Share of 10 largest borrowers	0.8%
Covered bonds (EURm)	90.0	Share of owner-occupied dwellings	87.5%
OC (EURm)	263.3	Share of multi-family houses	6.9%
OC	292.6%	EUR share (Cover pool)	100.0%
Fixed interest (Cover pool)	99.4%	EUR share (Covered bonds)	100.0%
Fixed interest (Covered bonds)	100.0%	Largest FX position (NPV in EURm)	-
WAL (Cover pool)	7.6y	Share of largest exposure tranche	78.5% (< EUR 0.3m)
WAL (Covered Bonds)	8.1y	Avg. seasoning	3.5y
Avg. LTV (Original value)	55.3%	Loans in arrears (>90 days)	0.00%
Avg. LTV (Market value)	n/a		

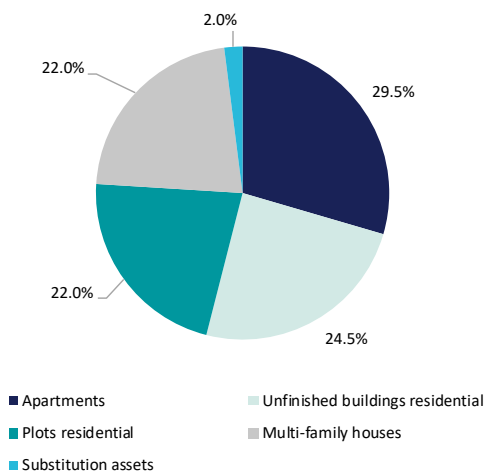
### Development of cover pool data



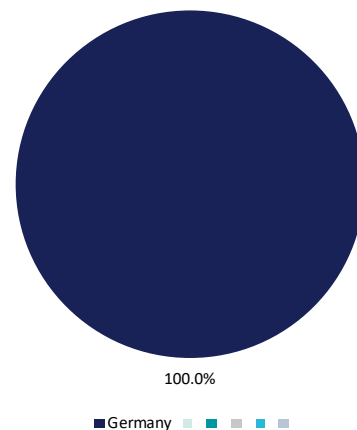
### Maturity structure



### Composition of cover pool



### Regional distribution of properties



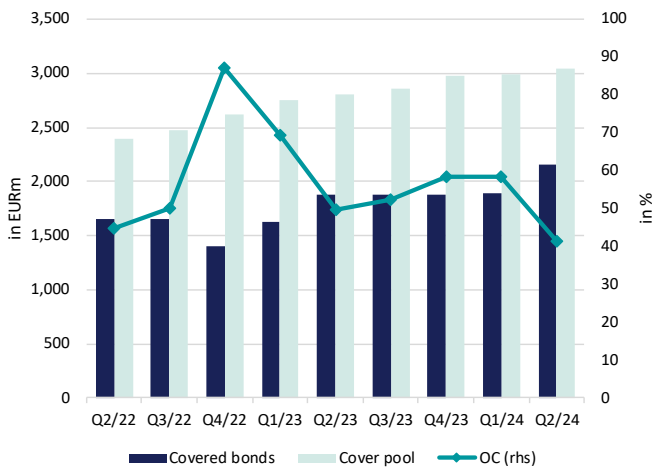
## Sparkasse Hannover

## Mortgage

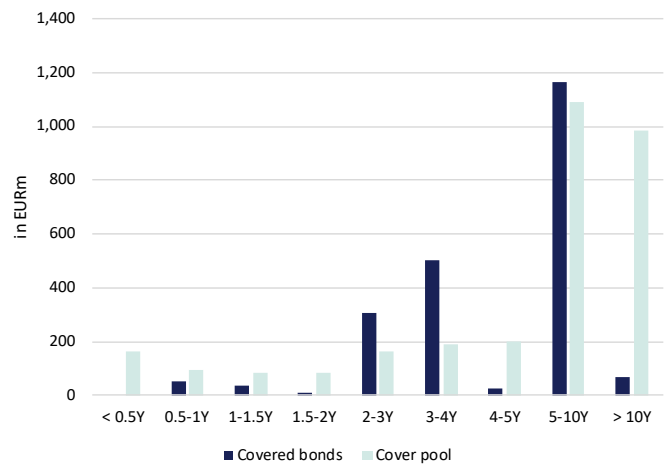
### Cover pool data

Cover pool (EURm)	3,051.1	Number of loans	12,691
of which residential	80.5%	Number of borrowers	10,262
of which commercial	14.9%	Number of properties	11,773
of which substitution assets	4.6%	Avg. exposure to borrowers (EUR)	283,534
of which derivatives	0.0%	Share of 10 largest borrowers	0.4%
Covered bonds (EURm)	2,158.6	Share of owner-occupied dwellings	86.3%
OC (EURm)	892.5	Share of multi-family houses	0.0%
OC	41.3%	EUR share (Cover pool)	100.0%
Fixed interest (Cover pool)	90.9%	EUR share (Covered bonds)	100.0%
Fixed interest (Covered bonds)	100.0%	Largest FX position (NPV in EURm)	-
WAL (Cover pool)	7.8y	Share of largest exposure tranche	65.5% (< EUR 0.3m)
WAL (Covered Bonds)	9.7y	Avg. seasoning	5.6y
Avg. LTV (Original value)	55.5%	Loans in arrears (>90 days)	0.00%
Avg. LTV (Market value)	n/a		

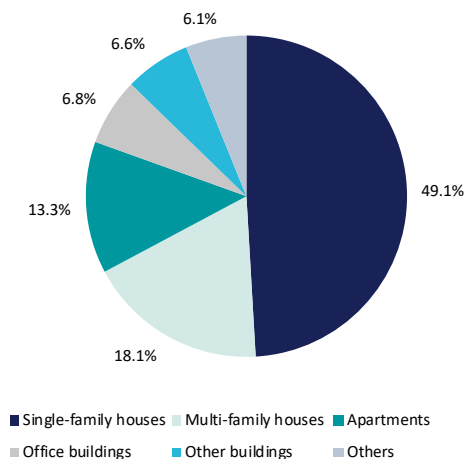
### Development of cover pool data



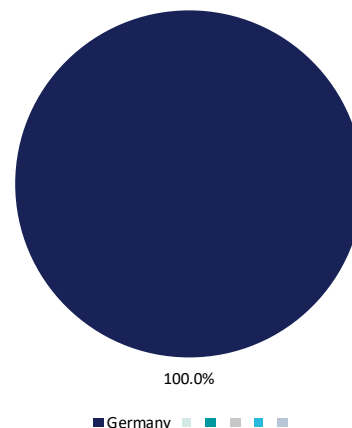
### Maturity structure



### Composition of cover pool



### Regional distribution of properties



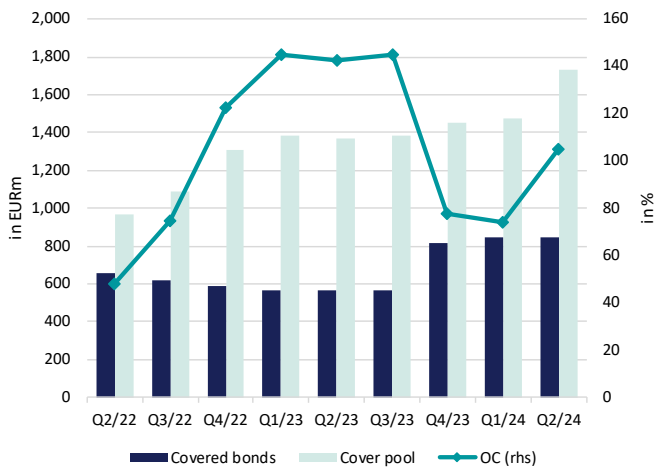
## Sparkasse Hannover

## Public sector

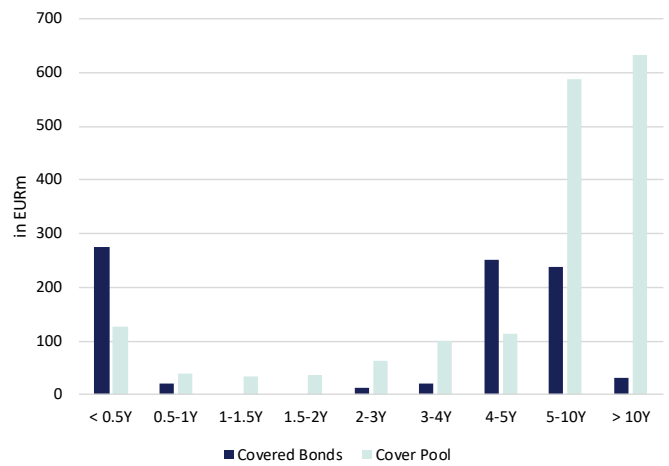
### Cover pool data

Cover pool (EURm)	1,733.2	Number of loans	n/a
of which substitution assets	1.8%	Number of borrowers	n/a
of which derivatives	0.0%	Share of 10 largest borrowers	n/a
Covered bonds (EURm)	846.1	Avg. exposure to borrowers (EUR)	n/a
OC (EURm)	887.1	EUR share (Cover pool)	n/a
OC	104.8%	EUR share (Covered bonds)	n/a
Fixed interest (Cover pool)	95.9%	Largest FX position (NPV in EURm)	-
Fixed interest (Covered bonds)	100.0%	Share of largest exposure tranche	46.2% (EUR 10-100m)
WAL (Cover pool)	n/a	Loans in arrears (>90 days)	0.00%
WAL (Covered Bonds)	n/a		

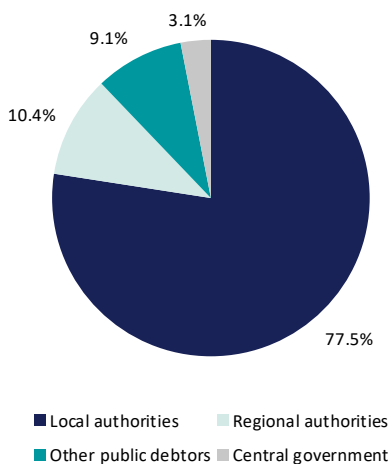
### Development of cover pool data



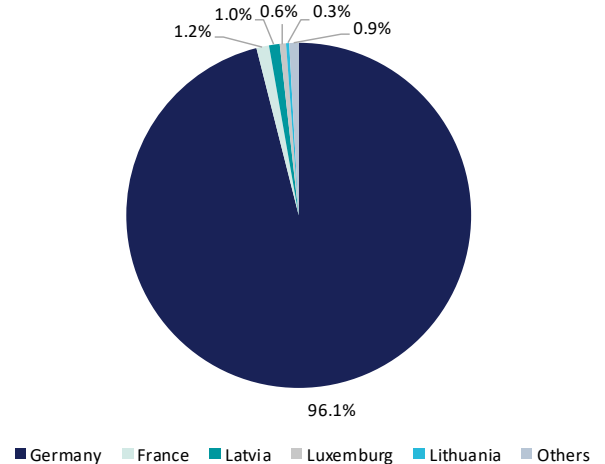
### Maturity structure



### Composition of primary assets



### Regional distribution of claims



Source: vdp, NORD/LB Floor Research

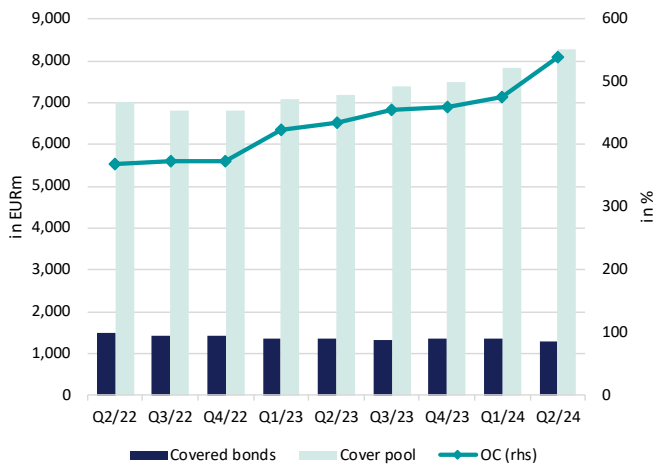
## Sparkasse KölnBonn

## Mortgage

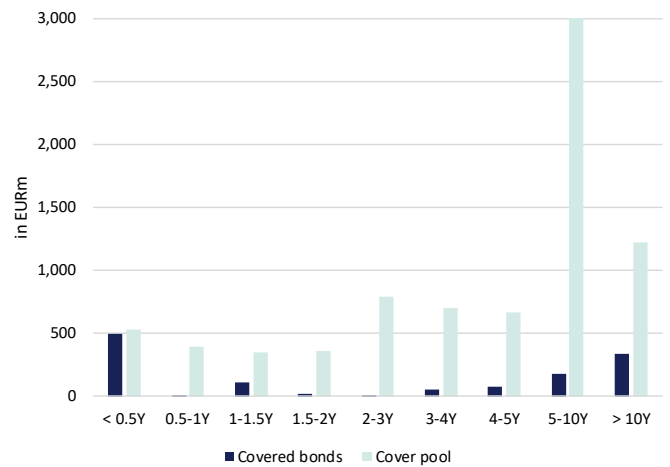
### Cover pool data

Cover pool (EURm)	8,259.4	Number of loans	n/a
of which residential	72.1%	Number of borrowers	n/a
of which commercial	21.1%	Number of properties	n/a
of which substitution assets	6.8%	Avg. exposure to borrowers (EUR)	n/a
of which derivatives	0.0%	Share of 10 largest borrowers	n/a
Covered bonds (EURm)	1,292.0	Share of owner-occupied dwellings	n/a
OC (EURm)	6,967.4	Share of multi-family houses	n/a
OC	539.3%	EUR share (Cover pool)	n/a
Fixed interest (Cover pool)	92.6%	EUR share (Covered bonds)	n/a
Fixed interest (Covered bonds)	100.0%	Largest FX position (NPV in EURm)	-
WAL (Cover pool)	n/a	Share of largest exposure tranche	43.7% (< EUR 0.3m)
WAL (Covered Bonds)	n/a	Avg. seasoning	5.9y
Avg. LTV (Original value)	53.5%	Loans in arrears (>90 days)	0.00%
Avg. LTV (Market value)	n/a		

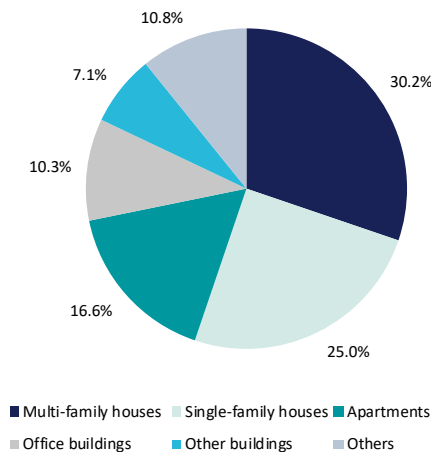
### Development of cover pool data



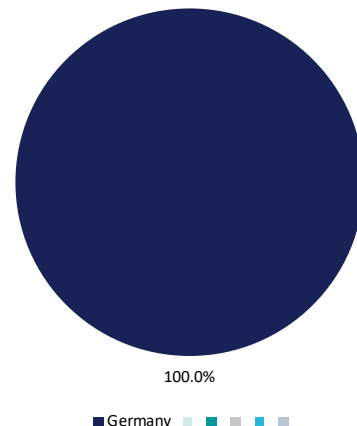
### Maturity structure



### Composition of cover pool



### Regional distribution of properties



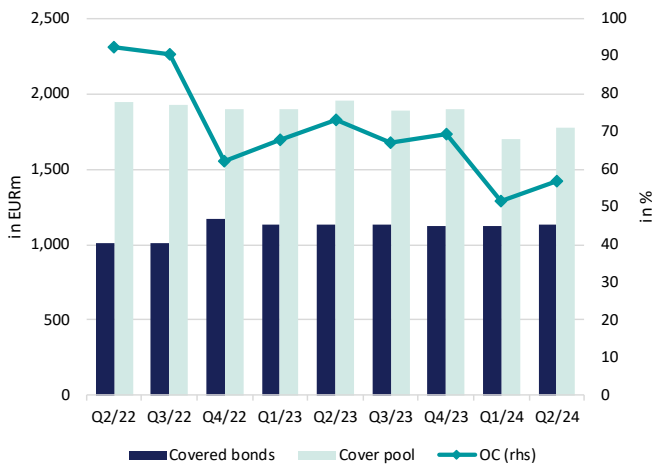
## Stadtsparkasse Düsseldorf

## Mortgage

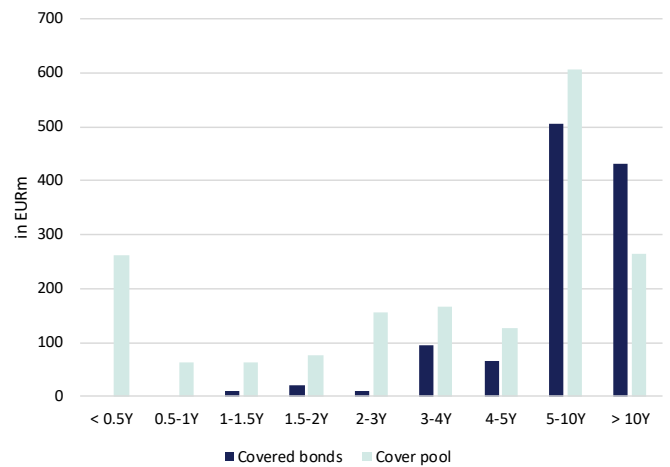
### Cover pool data

Cover pool (EURm)	1,780.8	Number of loans	n/a
of which residential	0.0%	Number of borrowers	n/a
of which commercial	3.2%	Number of properties	n/a
of which substitution assets	5.3%	Avg. exposure to borrowers (EUR)	n/a
of which derivatives	0.0%	Share of 10 largest borrowers	n/a
Covered bonds (EURm)	1,136.3	Share of owner-occupied dwellings	n/a
OC (EURm)	644.5	Share of multi-family houses	n/a
OC	56.7%	EUR share (Cover pool)	n/a
Fixed interest (Cover pool)	88.6%	EUR share (Covered bonds)	n/a
Fixed interest (Covered bonds)	100.0%	Largest FX position (NPV in EURm)	-
WAL (Cover pool)	n/a	Share of largest exposure tranche	42.3% (< EUR 0.3m)
WAL (Covered Bonds)	n/a	Avg. seasoning	7.6y
Avg. LTV (Original value)	55.1%	Loans in arrears (>90 days)	0.00%
Avg. LTV (Market value)	n/a		

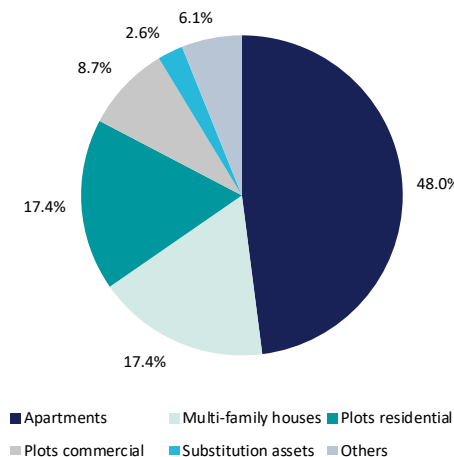
### Development of cover pool data



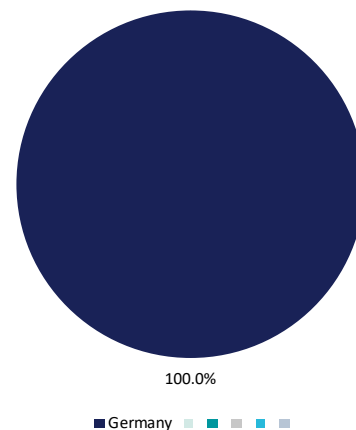
### Maturity structure



### Composition of cover pool



### Regional distribution of properties



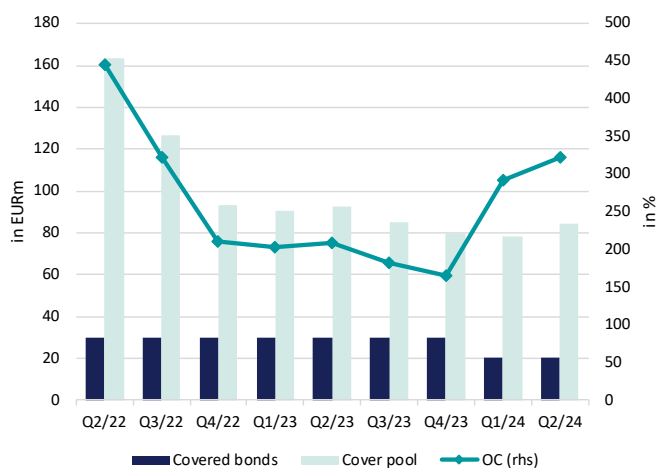
## Stadtparkasse Düsseldorf

## Public sector

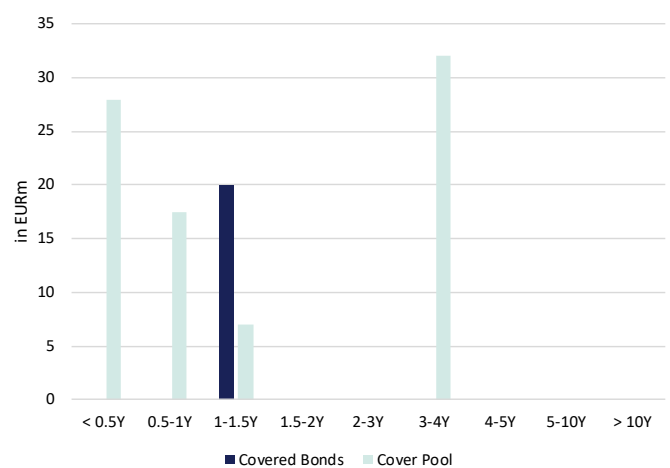
### Cover pool data

Cover pool (EURm)	84.3	Number of loans	n/a
of which substitution assets	0.0%	Number of borrowers	n/a
of which derivatives	0.0%	Share of 10 largest borrowers	n/a
Covered bonds (EURm)	20.0	Avg. exposure to borrowers (EUR)	n/a
OC (EURm)	64.3	EUR share (Cover pool)	n/a
OC	321.7%	EUR share (Covered bonds)	n/a
Fixed interest (Cover pool)	83.4%	Largest FX position (NPV in EURm)	-
Fixed interest (Covered bonds)	100.0%	Share of largest exposure tranche	67.5% (EUR 10-100m)
WAL (Cover pool)	n/a	Loans in arrears (>90 days)	0.00%
WAL (Covered Bonds)	n/a		

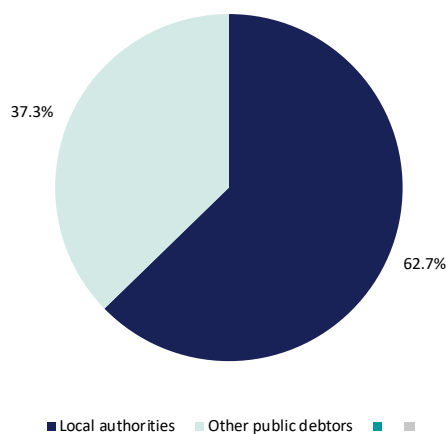
### Development of cover pool data



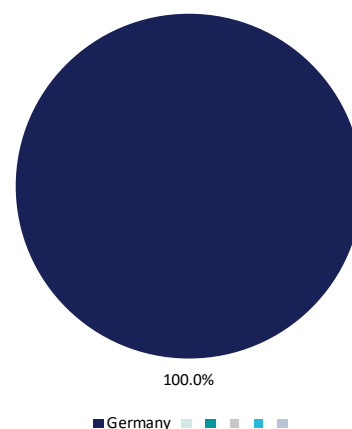
### Maturity structure



### Composition of primary assets



### Regional distribution of claims





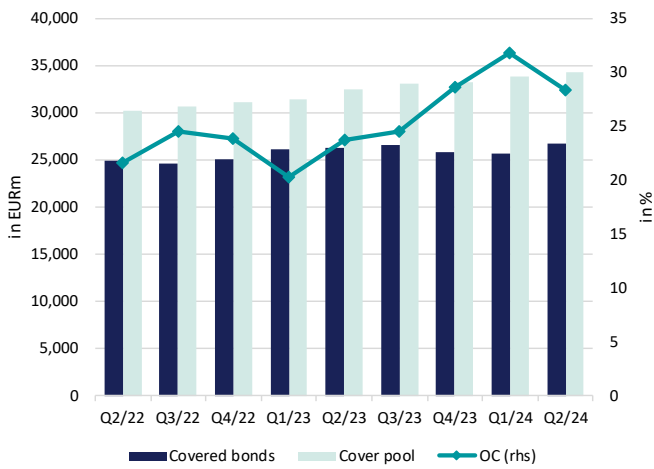
## UniCredit Bank

## Mortgage

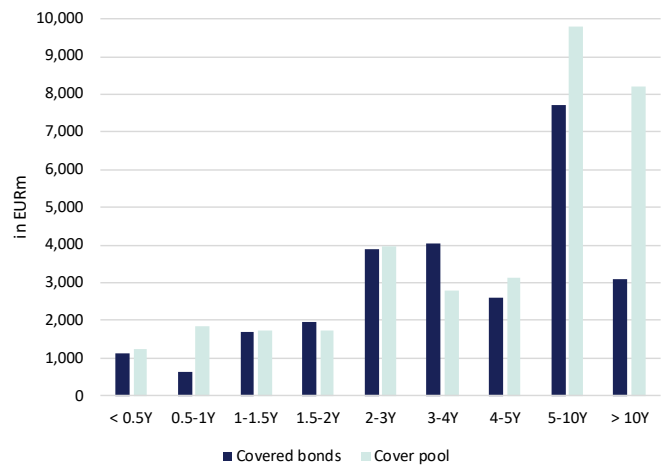
### Cover pool data

Cover pool (EURm)	34,393.5	Number of loans	125,843
of which residential	69.0%	Number of borrowers	101,904
of which commercial	27.9%	Number of properties	117,135
of which substitution assets	3.1%	Avg. exposure to borrowers (EUR)	327,080
of which derivatives	0.0%	Share of 10 largest borrowers	8.8%
Covered bonds (EURm)	26,778.6	Share of owner-occupied dwellings	36.8%
OC (EURm)	7,614.9	Share of multi-family houses	23.8%
OC	28.4%	EUR share (Cover pool)	100.0%
Fixed interest (Cover pool)	82.8%	EUR share (Covered bonds)	100.0%
Fixed interest (Covered bonds)	99.6%	Largest FX position (NPV in EURm)	-
WAL (Cover pool)	6.8y	Share of largest exposure tranche	34.6% (< EUR 0.3m)
WAL (Covered Bonds)	5.4y	Avg. seasoning	6.3y
Avg. LTV (Original value)	51.1%	Loans in arrears (>90 days)	0.00%
Avg. LTV (Market value)	n/a		

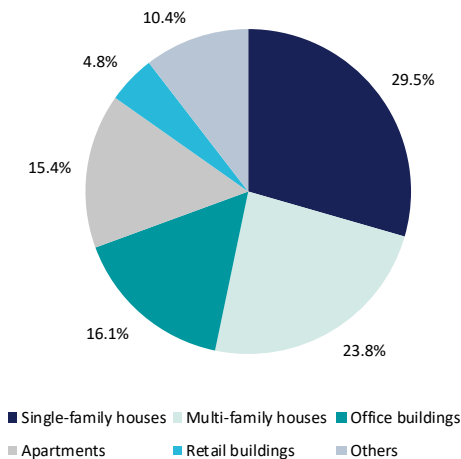
### Development of cover pool data



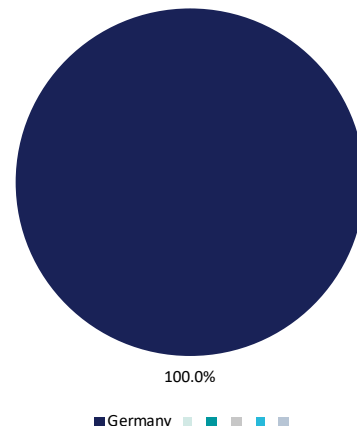
### Maturity structure



### Composition of cover pool



### Regional distribution of properties



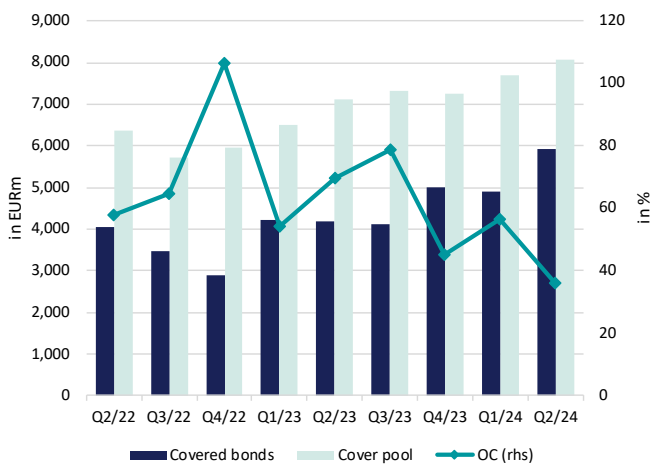
## UniCredit Bank

### Cover pool data

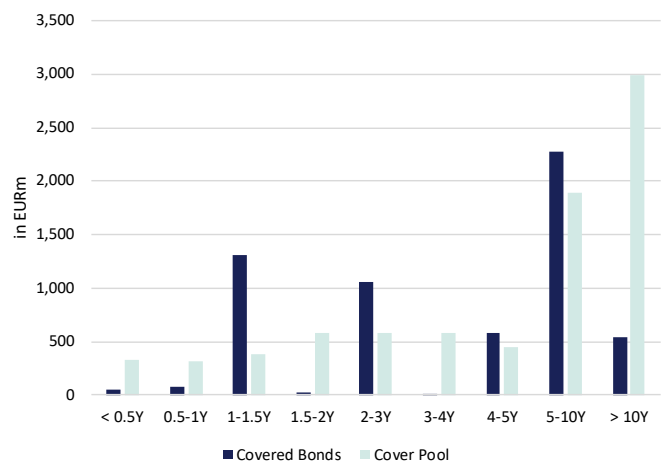
Cover pool (EURm)	8,073.9	Number of loans	1,436
of which substitution assets	0.0%	Number of borrowers	741
of which derivatives	0.0%	Share of 10 largest borrowers	48.5%
Covered bonds (EURm)	5,928.4	Avg. exposure to borrowers (EUR)	10,895,951
OC (EURm)	2,145.5	EUR share (Cover pool)	97.4%
OC	36.2%	EUR share (Covered bonds)	100.0%
Fixed interest (Cover pool)	81.1%	Largest FX position (NPV in EURm)	USD (198.3)
Fixed interest (Covered bonds)	100.0%	Share of largest exposure tranche	67.2% (> EUR 100m)
WAL (Cover pool)	12.9y	Loans in arrears (>90 days)	0.00%
WAL (Covered Bonds)	6.0y		

## Public sector

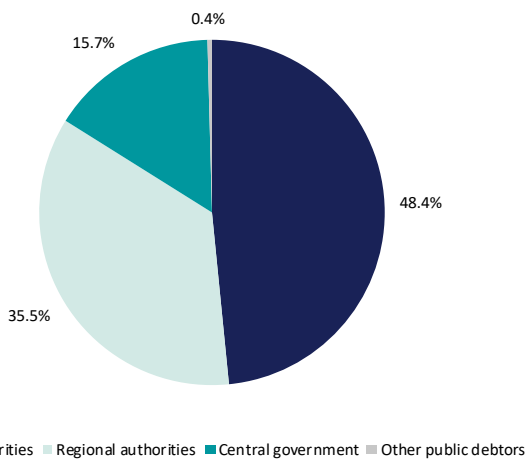
### Development of cover pool data



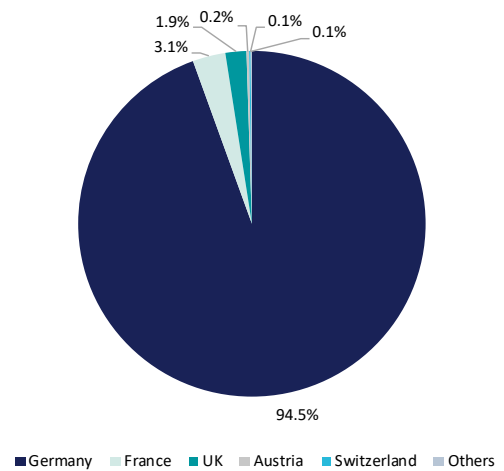
### Maturity structure



### Composition of primary assets



### Regional distribution of claims



Source: vdp, NORD/LB Floor Research

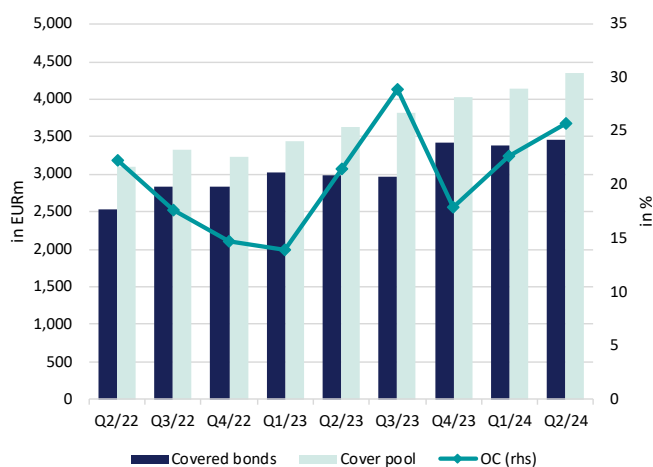
## Wüstenrot Bausparkasse

## Mortgage

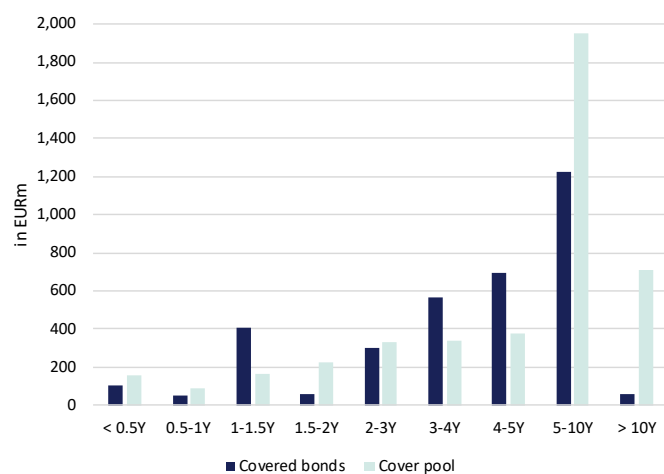
### Cover pool data

Cover pool (EURm)	4,350.2	Number of loans	34,132
of which residential	87.5%	Number of borrowers	29,754
of which commercial	2.4%	Number of properties	31,554
of which substitution assets	10.1%	Avg. exposure to borrowers (EUR)	131,384
of which derivatives	0.0%	Share of 10 largest borrowers	5.7%
Covered bonds (EURm)	3,461.1	Share of owner-occupied dwellings	63.3%
OC (EURm)	889.1	Share of multi-family houses	18.5%
OC	25.7%	EUR share (Cover pool)	100.0%
Fixed interest (Cover pool)	99.4%	EUR share (Covered bonds)	100.0%
Fixed interest (Covered bonds)	99.4%	Largest FX position (NPV in EURm)	-
WAL (Cover pool)	6.4y	Share of largest exposure tranche	69.3% (< EUR 0.3m)
WAL (Covered Bonds)	4.1y	Avg. seasoning	6.9y
Avg. LTV (Original value)	50.8%	Loans in arrears (>90 days)	0.04%
Avg. LTV (Market value)	n/a		

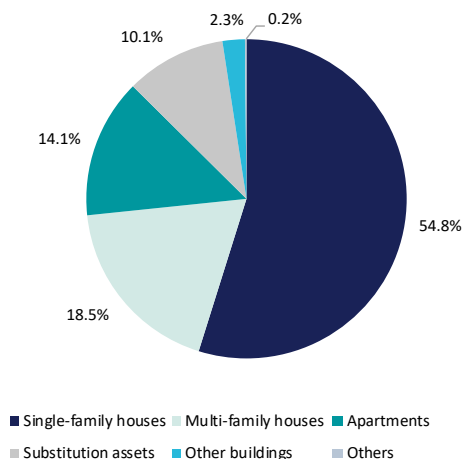
### Development of cover pool data



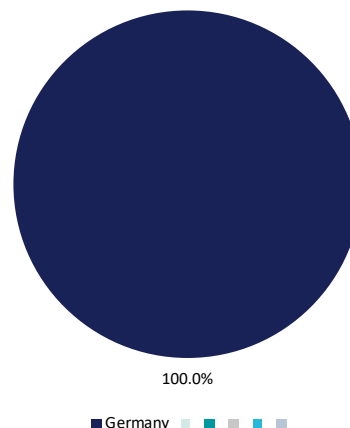
### Maturity structure



### Composition of cover pool



### Regional distribution of properties



## Appendix

### Contacts at NORD/LB

#### Floor Research



**Dr Frederik Kunze**

Covered Bonds/Banks

+49 172 354 8977

[frederik.kunze@nordlb.de](mailto:frederik.kunze@nordlb.de)



**Lukas Kühne**

Covered Bonds/Banks

+49 176 152 90932

[lukas.kuehne@nordlb.de](mailto:lukas.kuehne@nordlb.de)



**Alexander Grenner**

Covered Bonds/Banks

+49 157 851 65070

[alexander.grenner@nordlb.de](mailto:alexander.grenner@nordlb.de)



**Dr Norman Rudschuck, CIAA**

SSA/Public Issuers

+49 152 090 24094

[norman.rudschuck@nordlb.de](mailto:norman.rudschuck@nordlb.de)



**Christian Ilchmann**

SSA/Public Issuers

+49 157 851 64976

[christian.ilchmann@nordlb.de](mailto:christian.ilchmann@nordlb.de)



**Lukas-Finn Frese**

SSA/Public Issuers

+49 176 152 89759

[lukas-finn.frese@nordlb.de](mailto:lukas-finn.frese@nordlb.de)

#### Sales

Institutional Sales	+49 511 9818-9440
Sales Sparkassen & Regionalbanken	+49 511 9818-9400
Institutional Sales MM/FX	+49 511 9818-9460
Fixed Income Relationship Management Europe	+352 452211-515

#### Origination & Syndicate

Origination FI	+49 511 9818-6600
Origination Corporates	+49 511 361-2911

#### Treasury

Collat. Management/Repos	+49 511 9818-9200
Liquidity Management	+49 511 9818-9620 +49 511 9818-9650

#### Trading

Covereds/SSA	+49 511 9818-8040
Financials	+49 511 9818-9490
Governments	+49 511 9818-9660
Länder/Regionen	+49 511 9818-9660
Frequent Issuers	+49 511 9818-9640

#### Sales Wholesale Customers

Firmenkunden	+49 511 361-4003
Asset Finance	+49 511 361-8150

#### Relationship Management

Institutionelle Kunden	<a href="mailto:rm-vs@nordlb.de">rm-vs@nordlb.de</a>
Öffentliche Kunden	<a href="mailto:rm-oek@nordlb.de">rm-oek@nordlb.de</a>

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