

Publication according to section 28 para. 1 nos. 1 and 3 Pfandbrief Act

Pfandbriefe outstanding and their cover

Q2 2022

Outstanding total		nominal value		net present value		risk-adjusted net present value*	
		Q2 2022	Q2 2021	Q2 2022	Q2 2021	Q2 2022	Q2 2021
Mortgage Pfandbriefe	(€ mn.)	2,576.8	3,862.2	2,489.7	3,922.3	2,361.4	3,880.3
of which derivatives	(€ mn.)	-	-	-	-	-	-
Cover Pool	(€ mn.)	3,533.9	4,287.7	3,627.7	4,587.6	3,494.8	4,487.0
of which derivatives	(€ mn.)	-	-	-	-	-	-
Over Collateralization (OC)	(€ mn.)	957.1	425.5	1,138.0	665.3	1,133.4	606.7
OC in % of Pfandbriefe outstanding		37.1	11.0	45.7	17.0	48.0	15.6
Over-Collateralization in Consideration of vdp-Credit- Quality-Differentiation-Model	(€ mn.)	957.1	425.5	1,138.0	665.3		
OC in % of Pfandbriefe outstanding		37.1	11.0	45.7	17.0		

* The dynamic approach is used for calculating the risk-adjusted net present value according to section 5 para. 1 no. 2 of the Net Present Value Regulation (PfandBarwertV).

Outstanding total		nominal value		net present value		risk-adjusted net present value*	
		Q2 2022	Q2 2021	Q2 2022	Q2 2021	Q2 2022	Q2 2021
Public Pfandbriefe	(€ mn.)	781.1	951.1	871.9	1,162.3	741.8	1,104.2
of which derivatives	(€ mn.)	-	-	-	-	-	-
Cover Pool	(€ mn.)	899.5	984.3	1,001.1	1,334.0	788.1	1,211.2
of which derivatives	(€ mn.)	-	-	-	-	-	-
Over Collateralization (OC)	(€ mn.)	118.4	33.2	129.2	171.7	46.3	107.0
OC in % of Pfandbriefe outstanding		15.2	3.5	14.8	14.8	6.2	9.7
Over Collateralization in Consideration of vdp-Credit- Quality-Differentiation-Model	(€ mn.)	118.4	33.1	129.2	171.8		
OC in % of Pfandbriefe outstanding		15.2	3.5	14.8	14.8		

* The dynamic approach is used for calculating the risk-adjusted net present value according to section 5 para. 1 no. 2 of the Net Present Value Regulation (PfandBarwertV).

Outstanding total		nominal value		net present value		risk-adjusted net present value*	
		Q2 2022	Q2 2021	Q2 2022	Q2 2021	Q2 2022	Q2 2021
Ship Pfandbriefe	(€ mn.)	2,078.0	1,938.0	2,089.7	1,960.1	2,089.7	1,992.2
of which derivatives	(€ mn.)	-	-	-	-	-	-
Cover Pool	(€ mn.)	2,434.8	2,251.0	2,576.5	2,384.9	2,314.1	2,220.1
of which derivatives	(€ mn.)	-	-	-	-	-	-
Over Collateralization (OC)	(€ mn.)	356.8	313.0	486.8	424.8	224.4	227.9
OC in % of Pfandbriefe outstanding		17.2	16.2	23.3	21.7	10.7	11.4
Over Collateralization in Consideration of vdp-Credit- Quality-Differentiation-Model	(€ mn.)	356.8	313.0	486.8	424.8		
OC in % of Pfandbriefe outstanding		17.2	16.2	23.3	21.7		

* The dynamic approach is used for calculating the risk-adjusted net present value according to section 5 para. 1 no. 2 of the Net Present Value Regulation (PfandBarwertV).

Note: The release of the over collateralization with a view to the vdp-credit quality differentiation model is voluntary.

**Maturity structure of Pfandbriefe outstanding and their respective cover pools
Q2 2022**

Mortgage Pfandbriefe	Q2 2022		Q2 2021	
	Pfandbriefe outstanding € mn.	Cover pool € mn.	Pfandbriefe outstanding € mn.	Cover pool € mn.
Maturity:				
<= 0,5 years	10.0	365.3	514.9	535.4
> 0,5 years and <= 1 year	686.3	331.9	1,080.0	309.9
> 1 year and <= 1,5 years	570.0	394.2	10.0	381.2
> 1,5 years and <= 2 years	10.5	409.0	1,026.8	294.9
> 2 years and <= 3 years	-	519.9	880.5	814.0
> 3 years and <= 4 years	300.0	492.2	350.0	493.9
> 4 years and <= 5 years	500.0	584.1	-	516.4
> 5 years and <= 10 years	500.0	437.4	-	938.3
> 10 years	-	-	-	3.6

Public Pfandbriefe	Q2 2022		Q2 2021	
	Pfandbriefe outstanding € mn.	Cover pool € mn.	Pfandbriefe outstanding € mn.	Cover pool € mn.
Maturity:				
<= 0,5 years	126.0	49.9	27.0	52.3
> 0,5 years and <= 1 year	18.0	65.1	124.5	36.9
> 1 year and <= 1,5 years	12.0	236.7	126.0	39.2
> 1,5 years and <= 2 years	10.0	7.6	18.0	11.8
> 2 years and <= 3 years	94.8	83.3	47.0	139.3
> 3 years and <= 4 years	115.6	13.3	92.3	73.6
> 4 years and <= 5 years	137.0	51.4	114.8	10.0
> 5 years and <= 10 years	155.0	47.3	234.9	82.0
> 10 years	112.7	344.8	166.7	539.2

Ship Pfandbriefe	Q2 2022		Q2 2021	
	Pfandbriefe outstanding € mn.	Cover pool € mn.	Pfandbriefe outstanding € mn.	Cover pool € mn.
Maturity:				
<= 0,5 years	5.0	380.0	300.0	391.5
> 0,5 years and <= 1 year	273.0	354.3	335.0	232.5
> 1 year and <= 1,5 years	250.0	299.5	80.0	347.6
> 1,5 years and <= 2 years	400.0	307.4	273.0	280.7
> 2 years and <= 3 years	800.0	492.4	650.0	455.5
> 3 years and <= 4 years	350.0	480.4	300.0	308.7
> 4 years and <= 5 years	-	102.7	-	188.7
> 5 years and <= 10 years	-	18.0	-	45.8
> 10 years	-	-	-	-

Publication according to section 28 para. 2 no. 1 a Pfandbrief Act, section 28 para. 3 no. 1 Pfandbrief Act and section 28 para. 4 no. 1 a Pfandbrief Act

**Mortgage loans used as cover for Mortgage Pfandbriefe according to their amount in tranches
Q2 2022**

Cover Assets	Q2 2022 € mn.	Q2 2021 € mn.
up to 300,000 Euros	11.0	12.2
more than 300,000 Euros up to 1 mn. Euros	34.9	38.0
more than 1 mn. Euros up to 10 mn. Euros	673.4	857.7
more than 10 mn. Euros	2,660.0	3,114.7
Total	3,379.3	4,022.6

**Cover Assets used to secure public Pfandbriefe according to their amount in tranches
Q2 2022**

Cover Assets	Q2 2022 € mn.	Q2 2021 € mn.
up to 10 mn. Euros	43.9	70.9
more than 10 mn. Euros up to 100 mn. Euros	330.1	413.4
more than 100 mn. Euros	525.4	500.0
Total	899.4	984.3

**Cover Assets used to secure Ship Pfandbriefe according to their amount in tranches
Q2 2022**

Cover Assets	Q2 2022 € mn.	Q2 2021 € mn.
up to 500,000 Euros	-	-
more than 500,000 Euros up to 5 mn. Euros	326.1	301.1
more than 5 mn. Euros	2,037.6	1,588.1
Total	2,363.7	1,889.2

Publication according to section 28 para. 2 no. 1 b, c and no. 2 Pfandbrief Act

Volume of claims used to cover Mortgage Pfandbriefe according to states in which the real property is located, according to property type and the total amount of payments in arrears for at least 90 days as well as the total amount of these claims inasmuch as the respective amount in arrears is at least 5 percent of the claim

Q2 2022

		Cover assets														Total amount of payments in arrears for at least 90 days	Total amount of these claims inasmuch as the respective amount in arrears is at least 5 percent of the claim		
State	Q2	Total		Residential						Commercial		thereof							
		€ mn.	€ mn.	Total		thereof				€ mn.	€ mn.	Total		thereof					
				Apartment	Single-and two-family houses	Multiple-family houses	Buildings under construction	Building land	Office buildings	Retail buildings	Industrial buildings	other commercially used buildings	Buildings under construction	Building land					
Total - all states	year 2022	3,379.4	596.9	-	5.0	570.4	21.5	-	2,782.5	1,130.8	1,022.0	-	565.8	63.9	-	-	-		
	year 2021	4,022.6	717.7	-	2.8	659.2	55.7	-	3,304.9	1,341.9	1,167.9	14.2	627.9	136.6	16.4	-	-		
Germany	year 2022	3,121.0	584.1	-	5.0	557.6	21.5	-	2,536.9	972.5	935.0	-	565.5	63.9	-	-	-		
	year 2021	3,800.9	705.5	-	2.8	647.0	55.7	-	3,095.4	1,257.3	1,043.7	14.2	627.2	136.6	16.4	-	-		
Great Britain	year 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	year 2021	35.0	-	-	-	-	-	-	35.0	-	35.0	-	-	-	-	-	-		
Netherlands	year 2022	255.5	12.8	-	-	12.8	-	-	242.7	158.3	84.1	-	0.3	-	-	-	-		
	year 2021	181.9	12.2	-	-	12.2	-	-	169.7	84.6	84.4	-	0.7	-	-	-	-		
Sweden	year 2022	2.9	-	-	-	-	-	-	2.9	-	2.9	-	-	-	-	-	-		
	year 2021	4.8	-	-	-	-	-	-	4.8	-	4.8	-	-	-	-	-	-		

Volume of claims used to cover Public Pfandbriefe

Q2 2022

Cover assets											
		Total		thereof owed by				thereof granted by			
		in the total included claims which are granted for reasons of promoting exports		State	Regional authorities	Local authorities	Other debtors	State	Regional authorities	Local authorities	Other debtors
State	Q2	€ mn.	€ mn.	€ mn.	€ mn.	€ mn.	€ mn.	€ mn.	€ mn.	€ mn.	€ mn.
Total - all states	year 2022	899.5	64.8	30.0	669.2	52.0	0.1	64.8	15.3	47.4	20.7
	year 2021	984.3	76.2	200.0	524.4	62.9	8.9	76.2	19.2	51.4	41.3
Germany	year 2022	759.8	64.8	-	563.8	52.0	0.1	64.8	11.0	47.4	20.7
	year 2021	683.0	76.2	-	428.8	62.9	8.9	76.2	13.5	51.4	41.3
Belgium	year 2022	34.3	-	30.0	-	-	-	-	4.3	-	-
	year 2021	205.7	-	200.0	-	-	-	-	5.7	-	-
Italy	year 2022	-	-	-	-	-	-	-	-	-	-
	year 2021	-	-	-	-	-	-	-	-	-	-
Poland	year 2022	-	-	-	-	-	-	-	-	-	-
	year 2021	-	-	-	-	-	-	-	-	-	-
Switzerland	year 2022	105.4	-	-	105.4	-	-	-	-	-	-
	year 2021	95.6	-	-	95.6	-	-	-	-	-	-

**Total amount of payments in arrears for at least 90 days
as well as the total amount of these claims inasmuch as the respective amount in arrears is at least 5 percent of the claim
Q2 2022**

State	Q2	Amount of claims in arrears for at least 90 days					Total amount of these claims inasmuch as the respective amount in arrears is at least 5 % of the claim				
		Total	thereof State	Regional authorities	Local authorities	Other debtors	Total	thereof State	Regional authorities	Local authorities	Other debtors
		€ mn.	€ mn.	€ mn.	€ mn.	€ mn.	€ mn.	€ mn.	€ mn.	€ mn.	€ mn.
Total - all states	year 2022	0.2	0.2	-	-	-	2.6	2.6	-	-	-
	year 2021	0.3	0.3	-	-	-	0.2	0.2	-	-	-
Germany	year 2022	0.2	0.2	-	-	-	2.6	2.6	-	-	-
	year 2021	0.3	0.3	-	-	-	0.2	0.2	-	-	-
Belgium	year 2022	-	-	-	-	-	-	-	-	-	-
	year 2021	-	-	-	-	-	-	-	-	-	-
Italy	year 2022	-	-	-	-	-	-	-	-	-	-
	year 2021	-	-	-	-	-	-	-	-	-	-
Poland	year 2022	-	-	-	-	-	-	-	-	-	-
	year 2021	-	-	-	-	-	-	-	-	-	-
Switzerland	year 2022	-	-	-	-	-	-	-	-	-	-
	year 2021	-	-	-	-	-	-	-	-	-	-

Claims used to cover Ship Pfandbriefe according to the states in which the ships are registered and the total amount of payments in arrears for at least 90 days as well as the total amount of these claims inasmuch as the respective amount in arrears is at least 5 percent of the claim

Q2 2022

State	Q2	Cover Assets			Total amount of payments in arrears for at least 90 days	Total amount of these claims inasmuch as the respective amount in arrears is at least 5 percent of the claim
		Total	thereof			
			Sea-going vessels	Inland waterway vessels		
		€ mn.	€ mn.	€ mn.	€ mn.	€ mn.
Total - all states	year 2022	2,363.7	2,363.7	-	-	-
	year 2021	1,889.3	1,889.3	-	-	-
Germany	year 2022	242.6	242.6	-		
	year 2021	241.0	241.0	-		
Antigua and Barbuda	year 2022	13.7	13.7	-		
	year 2021	-	-	-		
Bahamas	year 2022	26.2	26.2	-		
	year 2021	19.1	19.1	-		
Belgium	year 2022	11.1	11.1	-		
	year 2021	-	-	-		
Cyprus	year 2022	151.8	151.8	-		
	year 2021	101.2	101.2	-		
Denmark	year 2022	102.3	102.3	-		
	year 2021	107.8	107.8	-		
Gibraltar	year 2022	-	-	-		
	year 2021	1.2	1.2	-		
Great Britain	year 2022	37.3	37.3	-		
	year 2021	37.1	37.1	-		
Greece	year 2022	21.0	21.0	-		
	year 2021	27.4	27.4	-		
Hong Kong	year 2022	84.7	84.7	-		
	year 2021	115.0	115.0	-		
Liberia	year 2022	592.5	592.5	-		
	year 2021	311.3	311.3	-		
Malta	year 2022	170.9	170.9	-		
	year 2021	161.3	161.3	-		
Marshall Islands	year 2022	575.8	575.8	-		
	year 2021	452.3	452.3	-		
Panama	year 2022	211.1	211.1	-		
	year 2021	152.6	152.6	-		
Singapore	year 2022	122.7	122.7	-		
	year 2021	162.0	162.0	-		

Publication according to section 28 para. 1 nos. 4, 5 and 6 Pfandbrief Act

Further cover assets - in detail for Mortgage Pfandbriefe

Q2 2022

Further cover assets for Mortgage Pfandbriefe according to section 19 para. 1 nos. 1, 2 and 3 Pfandbrief Act						
State	Q2	Total € mn.	thereof equalization claims according to section 19 para. 1 no. 1 € mn.	claims according to section 19 para. 1 no. 2		claims according to section 19 para. 1 no. 3 € mn.
				overall € mn.	thereof Covered Bonds according to Article 129 Regulation (EU) Nr. 575/2013 € mn.	
Total - all states	Jahr 2022	154.5	-	5.0	-	149.5
	Jahr 2021	265.0	-	5.0	-	260.0
Germany	Jahr 2022	154.5	-	5.0	-	149.5
	Jahr 2021	265.0	-	5.0	-	260.0

Publication according to section 28 para. 1 nos. 4 and 5 Pfandbrief Act

Further cover assets - in detail for Public Pfandbriefe

Q2 2022

Further cover assets for Public Pfandbriefe according to section 20 para. 2 nos. 1 and 2 Pfandbrief Act					
State	Q2	Total € mn.	thereof	claims according to	thereof Covered Bonds according to Article 129 Regulation (EU) Nr. 575/2013 € mn.
			equalization claims according to section 20 para. 2 no. 1 € mn.	section 20 para. 2 no. 2 overall € mn.	
Total - all states	Jahr 2022	-	-	-	-
	Jahr 2021	-	-	-	-
Germany	Jahr 2022	-	-	-	-
	Jahr 2021	-	-	-	-

Publication according to section 28 para. 1 nos. 4, 5 and 6 Pfandbrief Act

Further cover assets - in detail for Ship Pfandbriefe

Q2 2022

Further cover assets for Ship Pfandbriefe according to section 26 para. 1 nos. 2, 3 and 4 Pfandbrief Act						
State	Q2	Total € mn.	thereof	claims according to section 26 para. 1 no. 3	claims according to section 26 para. 1 no. 4 € mn.	
			equalization claims according to section 26 para. 1 no. 2 € mn.	overall € mn.		thereof Covered Bonds according to Article 129 Regulation (EU) Nr. 575/2013 € mn.
Total - all states	Jahr 2022	71.1	-	-	-	71.1
	Jahr 2021	361.8	-	-	-	361.8
Germany	Jahr 2022	71.1	-	-	-	71.1
	Jahr 2021	361.8	-	-	-	361.8

Publication according to section 28 para. 1 nos.7, 8, 9, 10 and 11 Pfandbrief Act and section 28 para. 2 no. 3 Pfandbrief Act

**Key figures about outstanding Pfandbriefe and Cover Pool
Q2 2022**

Mortgage Pfandbriefe		Q2 2022	Q2 2021
Outstanding Pfandbriefe	(€ mn.)	2,576.8	3,862.2
thereof percentage share of fixed-rate Pfandbriefe section 28 para. 1 no. 9	%	88.0	76.4
Cover Pool	(€ mn.)	3,533.9	4,287.7
thereof total amount of the claims which exceed the limits laid down in § 13 para. 1 section 28 para. 1 no. 7	(€ mn.)	-	-
thereof total amount of the claims which exceed the percentage threshold laid down in § 19 para 1 no. 2 section 28 para. 1 no. 8	(€ mn.)	-	-
thereof total amount of the claims which exceed the percentage threshold laid down in § 19 para 1 no. 3 section 28 para. 1 no. 8	(€ mn.)	-	-
thereof percentage share of fixed-rate cover assets section 28 para. 1 no. 9	%	57.8	50.2
Net present value pursuant to § 6 of the Pfandbrief Net Present Value Regulation for each foreign currency in Euro section 28 para. 1 no. 10 (Net Total)	CAD	-	-
	CHF	0.8	0.8
	CZK	-	-
	DKK	-	-
	GBP	-	36.2
	HKD	-	-
	JPY	-	-
	NOK	-	-
	SEK	2.9	4.9
	USD	-	-
AUD	-	-	
volume-weighted average of the maturity that has passed since the loan was granted (seasoning) section 28 para. 1 no. 11	years	4.9	4.2
average loan-to-value ratio, weighted using the mortgage lending value section 28 para. 2 no. 3	%	57.2	57.3
average loan-to-value ratio, weighted using the market value	%	-	-

Public Pfandbriefe

		Q2 2022	Q2 2021
Outstanding Pfandbriefe	(€ mn.)	781.1	951.1
thereof percentage share of fixed-rate Pfandbriefe section 28 para. 1 no. 9	%	92.3	93.7
Cover Pool	(€ mn.)	899.5	984.3
thereof total amount of the claims which exceed the percentage threshold laid down in § 20 para 2 section 28 para. 1 no. 8	(€ mn.)	-	-
thereof percentage share of fixed-rate cover assets section 28 para. 1 no. 9	%	91.8	93.2
Net present value pursuant to § 6 of the Pfandbrief Net Present Value Regulation for each foreign currency in Euro	CAD	-	-
	CHF	110.5	106.1
	CZK	-	-
	DKK	-	-
	GBP	-	-
	HKD	-	-
	JPY	-	-
	NOK	-	-
	SEK	-	-
	USD	-	-
	AUD	-	-
section 28 para. 1 no. 10 (Net Total)			

Ship Pfandbriefe

		Q2 2022	Q2 2021
Outstanding Pfandbriefe	(€ mn.)	2,078.0	1,938.0
thereof percentage share of fixed-rate Pfandbriefe section 28 para. 1 no. 9	%	37.4	3.0
Cover Pool	(€ mn.)	2,434.8	2,251.0
thereof total amount of the claims which exceed the percentage threshold laid down in § 26 para 1 no. 3 section 28 para. 1 no. 8	(€ mn.)	-	-
thereof total amount of the claims which exceed the percentage threshold laid down in § 26 para 1 no. 4 section 28 para. 1 no. 8	(€ mn.)	-	-
thereof percentage share of fixed-rate cover assets section 28 para. 1 no. 9	%	3.5	15.8
Net present value pursuant to § 6 of the Pfandbrief Net Present Value Regulation for each foreign currency in Euro section 28 para. 1 no. 10 (Net Total)	CAD	-	-
	CHF	-	-
	CZK	-	-
	DKK	-	-
	GBP	-	-
	HKD	-	-
	JPY	-	5.2
	NOK	-	-
	SEK	-	-
	USD	2,462.5	1,971.4
AUD	-	-	