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

Pfandbriefe outstanding and their cover

Q3 2019

Outstanding total		nominal value		net present value		risk-adjusted net present value*	
		Q3 2019	Q3 2018	Q3 2019	Q3 2018	Q3 2019	Q3 2018
Mortgage Pfandbriefe	(€ mn.)	26,581.2	23,519.2	30,690.8	25,169.9	34,609.6	27,227.6
of which derivatives	(€ mn.)	-	-	-	-	-	-
Cover Pool	(€ mn.)	27,698.0	25,353.7	33,208.1	28,534.8	36,600.5	30,056.5
of which derivatives	(€ mn.)	-	-	-	-	-	-
Over Collateralization (OC)	(€ mn.)	1,116.8	1,834.5	2,517.4	3,364.9	1,990.9	2,828.9
OC in % of Pfandbriefe outstanding		4.2	7.8	8.2	13.4	5.8	10.4
Over-Collateralization in Consideration of vdp-Credit-Quality-Differentiation-Model	(€ mn.)	1,116.8	1,834.5	2,517.4	3,364.9		
OC in % of Pfandbriefe outstanding		4.2	7.8	8.2	13.4		

* The dynamic approach was 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*	
		Q3 2019	Q3 2018	Q3 2019	Q3 2018	Q3 2019	Q3 2018
Public Pfandbriefe	(€ mn.)	2,295.7	3,190.0	3,129.4	3,843.9	2,837.5	3,632.6
of which derivatives	(€ mn.)	-	-	-	-	-	-
Cover Pool	(€ mn.)	2,397.8	3,585.1	3,524.8	4,476.4	3,028.9	4,125.1
of which derivatives	(€ mn.)	-	-	47.3	35.2	30.6	24.2
Over Collateralization (OC)	(€ mn.)	102.1	395.0	395.4	632.5	191.4	492.5
OC in % of Pfandbriefe outstanding		4.4	12.4	12.6	16.5	6.7	13.6
Over Collateralization in Consideration of vdp-Credit-Quality-Differentiation-Model	(€ mn.)	102.1	395.0	395.4	632.5		
OC in % of Pfandbriefe outstanding		4.4	12.4	12.6	16.5		

* The dynamic approach was 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.

Publication according to section 28 para. 1 no. 2 Pfandbrief Act

Maturity structure of Pfandbriefe outstanding and their respective cover pools
Q3 2019

Mortgage Pfandbriefe	Q3 2019		Q3 2018	
Maturity:	**Pfandbriefe outstanding** € mn.	**Cover pool** € mn.	**Pfandbriefe outstanding** € mn.	**Cover pool** € mn.
<= 0,5 years	363.4	1,048.5	691.0	762.6
> 0,5 years and <= 1 year	662.1	961.3	1,423.4	770.6
> 1 year and <= 1,5 years	1,288.3	1,052.3	663.5	861.1
> 1,5 years and <= 2 years	1,138.5	932.2	641.4	919.1
> 2 years and <= 3 years	2,001.6	2,401.9	1,700.0	1,984.5
> 3 years and <= 4 years	2,274.8	2,413.1	1,910.5	2,168.6
> 4 years and <= 5 years	1,392.8	2,765.1	1,224.9	2,223.0
> 5 years and <= 10 years	6,825.1	8,608.6	5,897.7	8,785.8
> 10 years	10,634.7	7,495.0	9,366.8	6,878.3

Public Pfandbriefe	Q3 2019		Q3 2018	
Maturity:	**Pfandbriefe outstanding** € mn.	**Cover pool** € mn.	**Pfandbriefe outstanding** € mn.	**Cover pool** € mn.
<= 0,5 years	26.2	74.7	763.4	215.7
> 0,5 years and <= 1 year	128.0	132.6	53.3	169.5
> 1 year and <= 1,5 years	21.7	18.9	27.1	135.9
> 1,5 years and <= 2 years	97.8	44.5	138.7	157.0
> 2 years and <= 3 years	113.0	73.1	119.1	62.3
> 3 years and <= 4 years	72.9	30.1	112.5	170.7
> 4 years and <= 5 years	141.9	25.2	72.5	32.8
> 5 years and <= 10 years	564.1	459.9	511.9	1,043.1
> 10 years	1,130.2	1,539.0	1,391.5	1,598.1

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 Q3 2019

Cover Assets	Q3 2019 € mn.	Q3 2018 € mn.
up to 300,000 Euros	16,665.1	16,154.6
more than 300,000 Euros up to 1 mn. Euros	2,959.1	2,657.0
more than 1 mn. Euros up to 10 mn. Euros	2,236.9	2,154.1
more than 10 mn. Euros	5,015.5	3,847.0
Total	26,876.6	24,812.7

Cover Assets used to secure public Pfandbriefe according to their amount in tranches Q3 2019

Cover Assets	Q3 2019 € mn.	Q3 2018 € mn.
up to 10 mn. Euros	194.1	259.3
more than 10 mn. Euros up to 100 mn. Euros	544.3	1,189.5
more than 100 mn. Euros	1,659.5	1,971.4
Total	2,397.8	3,420.1

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

Q3 2019

		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														
			Residential						Commercial								
			Total	thereof					Total	thereof							
				Apartments	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		
State	Q3	€ mn.	€ mn.	€ mn.	€ mn.	€ mn.	€ mn.	€ mn.	€ mn.	€ mn.	€ mn.	€ mn.	€ mn.	€ mn.	€ mn.	€ mn.	€ mn.
Total - all states	year 2019	26,876.6	22,314.1	3,837.8	13,808.9	4,652.5	14.2	0.7	4,562.5	2,950.1	1,304.2	8.9	299.3	-	-	10.4	11.1
	year 2018	24,812.4	21,401.7	3,631.6	13,182.2	4,570.4	16.8	0.7	3,410.7	2,091.9	1,111.9	11.0	195.8	-	-	10.8	13.2
Germany	year 2019	21,462.5	18,501.1	2,566.6	11,474.7	4,444.9	14.2	0.7	2,961.4	1,882.0	857.1	8.9	213.4	-	-	10.2	10.8
	year 2018	20,124.7	17,845.1	2,442.9	10,957.3	4,427.4	16.8	0.7	2,279.6	1,408.5	690.5	11.0	169.5	-	-	10.2	12.6
Belgium	year 2019	29.6	-	-	-	-	-	-	29.6	29.6	-	-	-	-	-	-	-
	year 2018	13.7	-	-	-	-	-	-	13.7	13.7	-	-	-	-	-	-	-
France	year 2019	332.2	7.4	-	-	7.4	-	-	324.7	282.5	42.2	-	-	-	-	-	-
	year 2018	186.8	7.4	-	-	7.4	-	-	179.4	167.2	12.2	-	-	-	-	-	-
Great Britain	year 2019	367.1	-	-	-	-	-	-	367.1	277.0	82.9	-	7.2	-	-	-	-
	year 2018	357.6	-	-	-	-	-	-	357.6	263.8	71.6	-	22.2	-	-	-	-
Luxembourg	year 2019	64.9	-	-	-	-	-	-	64.9	64.9	-	-	-	-	-	-	-
	year 2018	46.6	-	-	-	-	-	-	46.6	46.6	-	-	-	-	-	-	-
Netherlands	year 2019	325.0	154.9	10.4	-	144.5	-	-	170.2	94.6	71.5	-	4.1	-	-	-	-
	year 2018	267.1	145.9	10.4	-	135.5	-	-	121.2	69.1	48.0	-	4.1	-	-	-	-
Austria	year 2019	123.2	0.0	-	0.0	-	-	-	123.2	17.3	105.9	-	-	-	-	-	-
	year 2018	124.3	0.0	-	0.0	-	-	-	124.2	17.3	107.0	-	-	-	-	-	-
Spain	year 2019	233.2	-	-	-	-	-	-	233.2	88.5	144.7	-	-	-	-	-	-
	year 2018	190.1	-	-	-	-	-	-	190.1	31.3	158.8	-	-	-	-	-	-
Switzerland	year 2019	3,595.0	3,595.0	1,260.8	2,334.2	-	-	-	-	-	-	-	-	-	-	0.2	0.2
	year 2018	3,403.2	3,403.2	1,178.3	2,224.9	-	-	-	-	-	-	-	-	-	-	0.6	0.6
USA	year 2019	343.8	55.6	-	-	55.6	-	-	288.2	213.6	-	-	74.6	-	-	-	-
	year 2018	98.4	-	-	-	-	-	-	98.4	74.5	23.8	-	-	-	-	-	-

Publication according to section 28 para. 3 no. 2 Pfandbrief Act

Volume of claims used to cover Public Pfandbriefe

Q3 2019

		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	Q3	€ mn.	€ mn.	€ mn.	€ mn.	€ mn.	€ mn.	€ mn.	€ mn.	€ mn.	€ mn.
Total - all states	year 2019	2,397.8	-	120.0	1,892.7	193.8	163.3	-	15.0	13.0	-
	year 2018	3,420.0	-	232.5	2,438.0	249.7	303.4	165.0	15.0	16.4	-
Germany	year 2019	2,150.2	-	-	1,780.0	193.8	163.3	-	-	13.0	-
	year 2018	2,861.0	-	-	2,316.5	249.7	278.4	-	-	16.4	-
Belgium	year 2019	50.0	-	-	50.0	-	-	-	-	-	-
	year 2018	150.0	-	-	50.0	-	-	100.0	-	-	-
Finland	year 2019	-	-	-	-	-	-	-	-	-	-
	year 2018	25.0	-	25.0	-	-	-	-	-	-	-
France	year 2019	-	-	-	-	-	-	-	-	-	-
	year 2018	25.0	-	25.0	-	-	-	-	-	-	-
Italy	year 2019	-	-	-	-	-	-	-	-	-	-
	year 2018	8.0	-	8.0	-	-	-	-	-	-	-
Austria	year 2019	170.0	-	120.0	35.0	-	-	-	15.0	-	-
	year 2018	180.4	-	130.4	35.0	-	-	-	15.0	-	-
Poland	year 2019	-	-	-	-	-	-	-	-	-	-
	year 2018	44.1	-	44.1	-	-	-	-	-	-	-
Portugal	year 2019	-	-	-	-	-	-	-	-	-	-
	year 2018	50.0	-	-	-	-	-	50.0	-	-	-
Spain	year 2019	-	-	-	-	-	-	-	-	-	-
	year 2018	10.0	-	-	10.0	-	-	-	-	-	-
Iceland	year 2019	-	-	-	-	-	-	-	-	-	-
	year 2018	15.0	-	-	-	-	-	15.0	-	-	-
Switzerland	year 2019	27.7	-	-	27.7	-	-	-	-	-	-
	year 2018	26.4	-	-	26.4	-	-	-	-	-	-
other states/institutions	year 2019	-	-	-	-	-	-	-	-	-	-
	year 2018	25.0	-	-	-	-	25.0	-	-	-	-

Publication according to section 28 para. 3 no. 3 Pfandbrief Act

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
Q3 2019

		Amount of claims in arrears for at least 90 days					Total amount of these claims inasmuch as the respectiveamount in arrears is at least 5 % of the claim				
		Total	thereof				Total	thereof			
			State	Regional authorities	Local authorities	Other debtors		State	Regional authorities	Local authorities	Other debtors
State	Q3	€ mn.	€ mn.	€ mn.	€ mn.	€ mn.	€ mn.	€ mn.	€ mn.	€ mn.	€ mn.
Total - all states	year 2019	-	-	-	-	-	-	-	-	-	-
	year 2018	-	-	-	-	-	-	-	-	-	-
Germany	year 2019	-	-	-	-	-	-	-	-	-	-
	year 2018	-	-	-	-	-	-	-	-	-	-
Belgium	year 2019	-	-	-	-	-	-	-	-	-	-
	year 2018	-	-	-	-	-	-	-	-	-	-
Finland	year 2019	-	-	-	-	-	-	-	-	-	-
	year 2018	-	-	-	-	-	-	-	-	-	-
France	year 2019	-	-	-	-	-	-	-	-	-	-
	year 2018	-	-	-	-	-	-	-	-	-	-
Italy	year 2019	-	-	-	-	-	-	-	-	-	-
	year 2018	-	-	-	-	-	-	-	-	-	-
Austria	year 2019	-	-	-	-	-	-	-	-	-	-
	year 2018	-	-	-	-	-	-	-	-	-	-
Poland	year 2019	-	-	-	-	-	-	-	-	-	-
	year 2018	-	-	-	-	-	-	-	-	-	-
Portugal	year 2019	-	-	-	-	-	-	-	-	-	-
	year 2018	-	-	-	-	-	-	-	-	-	-
Spain	year 2019	-	-	-	-	-	-	-	-	-	-
	year 2018	-	-	-	-	-	-	-	-	-	-
Iceland	year 2019	-	-	-	-	-	-	-	-	-	-
	year 2018	-	-	-	-	-	-	-	-	-	-
Switzerland	year 2019	-	-	-	-	-	-	-	-	-	-
	year 2018	-	-	-	-	-	-	-	-	-	-
other states/institutions	year 2019	-	-	-	-	-	-	-	-	-	-
	year 2018	-	-	-	-	-	-	-	-	-	-

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

Further cover assets - in detail for Mortgage Pfandbriefe

Q3 2019

		Further cover assets for Mortgage Pfandbriefe according to section 19 para. 1 nos. 1, 2 and 3 Pfandbrief Act				
		Total	thereof			
			equalization claims according to section 19 para. 1 no. 1	**claims according to section 19 para. 1 no. 2**		**claims according to section 19 para. 1 no. 3**
				overall	thereof	
					Covered Bonds according to Article 129 Regulation (EU) Nr. 575/2013	
State	**Q3**	€ mn.	€ mn.	€ mn.	€ mn.	€ mn.
Total - all states	Jahr 2019	821.4	-	150.0	-	671.4
	Jahr 2018	541.0	-	125.0	-	416.0
Germany	Jahr 2019	513.0	-	50.0	-	463.0
	Jahr 2018	343.0	-	50.0	-	293.0
Belgium	Jahr 2019	38.0	-	-	-	38.0
	Jahr 2018	38.0	-	-	-	38.0
Finland	Jahr 2019	50.0	-	-	-	50.0
	Jahr 2018	25.0	-	-	-	25.0
France	Jahr 2019	110.0	-	-	-	110.0
	Jahr 2018	60.0	-	-	-	60.0
Luxembourg	Jahr 2019	100.0	-	100.0	-	-
	Jahr 2018	75.0	-	75.0	-	-
Austria	Jahr 2019	10.4	-	-	-	10.4
	Jahr 2018					

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

Further cover assets - in detail for Public Pfandbriefe

Q3 2019

		Further cover assets for Public Pfandbriefe according to section 20 para. 2 nos. 1 and 2 Pfandbrief Act			
		Total	thereof		
			equalization claims according to section 20 para. 2 no. 1	**claims according to section 20 para. 2 no. 2**	
				overall	thereof
					Covered Bonds according to Article 129 Regulation (EU) Nr. 575/2013
State	**Q3**	€ mn.	€ mn.	€ mn.	€ mn.
Total - all states	Jahr 2019				
	Jahr 2018	165.0	-	165.0	-
Germany	Jahr 2019				
	Jahr 2018	115.0	-	115.0	-
Luxembourg	Jahr 2019				
	Jahr 2018	50.0	-	50.0	-

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
Q3 2019

Mortgage Pfandbriefe

		Q3 2019	Q3 2018
Outstanding Pfandbriefe	(€ mn.)	26,581.2	23,519.2
thereof percentage share of fixed-rate Pfandbriefe section 28 para. 1 no. 9	%	93.0	93.0
Cover Pool	(€ mn.)	27,698.0	25,353.7
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	%	96.0	98.0
Net present value pursuant to § 6 of the Pfandbruef Net Present Value Regulation for each foreign currency in Euro section 28 para. 1 no. 10 (Net Total)	CAD	-	-
	CHF	1,235.2	2,312.2
	CZK	-	-
	DKK	-	-
	GBP	397.1	377.9
	HKD	-	-
	JPY	-	-
	NOK	-	-
	SEK	-	-
	USD	-177.4	-401.2
	AUD	-	-
volume-weighted average of the matuerity that has passed since the loan was granted (seasoning) section 28 para. 1 no. 11	years	5.0	5.0
average loan-to-value ratio, weighted using the mortgage lending value section 28 para. 2 no. 3	%	52.0	51.0
average loan-to-value ratio, weighted using the market value	%	-	-

Public Pfandbriefe

		Q3 2019	Q3 2018
Outstanding Pfandbriefe	(€ mn.)	2,295.7	3,190.0
thereof percentage share of fixed-rate Pfandbriefe section 28 para. 1 no. 9	%	92.0	94.0
Cover Pool	(€ mn.)	2,397.8	3,585.1
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	%	91.0	93.0
Net present value pursuant to § 6 of the Pfandbruef Net Present Value Regulation for each foreign currency in Euro section 28 para. 1 no. 10 (Net Total)	CAD	-	-
	CHF	28.6	73.9
	CZK	-	-
	DKK	-	-
	GBP	-	-
	HKD	-	-
	JPY	-72.1	-65.6
	NOK	-	-
	SEK	-	-
	USD	-	-
	AUD	-	-