



Deutsche Bank AG Transparency Report § 28 PfandBG
as of 2022-12-31

(All figures in EUR mn unless otherwise stated)

1 OVERALL EXPOSURE AND CHARACTERISTICS

Overall Exposure*

	Nominal Value		Present Value		Present Value - High Interest Rate Stress Scenario ²		Present Value - Low Interest Rate Stress Scenario ²		Present Value - Worst Case Interest and FX Rate Stress Scenario ²	
	2022-12-31	2021-12-31	2022-12-31	2021-12-31	2022-12-31	2021-12-31	2022-12-31	2021-12-31	2022-12-31	2021-12-31
	Mortgage Pfandbriefe	13,038.0	13,112.0	12,199.2	13,853.6	11,029.4	12,749.6	13,674.2	15,629.4	11,029.4
thereof derivatives	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cover Assets	16,192.8	15,709.4	14,550.3	** 17,639.5	12,637.9	** 15,056.5	17,023.8	** 21,062.7	12,637.9	** 15,056.5
thereof Cover Assets acc. to § 12 par. 1	15,530.3	** 15,111.9	14,038.7	** 17,039.7	12,215.4	** 14,562.8	16,399.4	** 20,312.4	12,215.4	** 14,562.8
thereof derivatives	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cover Assets acc. to § 19 par. 1 sentence 1 nos. 2a, 2b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
as % of Mortgage Pfandbriefe	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Cover Assets acc. to § 19 par. 1 sentence 1 nos. 3a - 3c ¹	662.5	597.5	511.5	599.8	422.6	493.7	624.4	750.3	422.6	493.7
as % of Mortgage Pfandbriefe	5.08%	4.56%	4.19%	4.33%	3.83%	3.87%	4.57%	4.80%	3.83%	3.87%
Over-Collateralisation	3,154.8	2,597.4	2,351.1	** 3,785.9	1,608.5	** 2,306.9	3,349.6	** 5,433.3	1,608.5	** 2,306.9
as % of Mortgage Pfandbriefe	24.20%	19.81%	19.27%	** 27.33%	14.58%	** 18.09%	24.50%	** 34.76%	14.58%	** 18.09%
acc. to statutory proportions	576.7	538.2	479.7	572.8	425.7	507.7	548.9	665.1	425.7	507.7
nominal value of statutory over collateralization	260.8	262.2	235.7	295.7	205.1	252.7	275.4	352.5	205.1	252.7
present value of statutory over collateralization	315.9	276.0	244.0	277.1	220.6	255.0	273.5	312.6	220.6	255.0
acc. to contractual proportions	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
acc. to voluntary proportions	2,578.1	2,059.2	1,871.4	3,213.1	1,182.8	1,799.2	2,800.7	4,768.2	1,182.8	1,799.2

* acc. to § 28 par. 1 sentence 1 no. 1 and 3 Pfandbrief Act

¹ incl. Cover Assets acc. to § 4 par. 1 Pfandbrief Act

² acc. to § 5 par. 1 sentence 1 no. 1 Pfandbrief Act and § 6 par. 2 no. 1 PfandBarwertV static approach

It was observed that the present values of 31.12.2021 in the transparency report of 31.12.2021 (marked with **) were not reported correctly. Instead of present values for 31.12.21 the report showed present values of 03.01.22. This wrongful data mapping was corrected with the publishing of the transparency report of 31.12.2022. Thus, the present values in the transparency report at hand were corrected accordingly. The correction of the present values in the transparency report for 31.12.2022 will be published in due time. The cover value calculation was not affected and all regulatory cover requirements were complied with at all times.

Maturity Structure of the Mortgage Pfandbriefe and Fixed Interest Periods of the Cover Assets*

2022-12-31	<= 6 months	>6 months and <=12 months	>12 months and <=18 months	>18 months and <=2 years	>2 years and <=3 years	>3 years and <=4 years	>4 years and <=5 years	>5 years and <=10 years	> 10 years
Mortgage Pfandbriefe	533.0	160.0	1,184.5	55.0	1,207.0	1,631.0	2,693.0	3,552.0	2,022.5
Cover Assets	526.0	509.8	535.6	504.9	864.4	780.2	1,033.9	6,112.3	5,325.6

2021-12-31	<= 6 months	>6 months and <=12 months	>12 months and <=18 months	>18 months and <=2 years	>2 years and <=3 years	>3 years and <=4 years	>4 years and <=5 years	>5 years and <=10 years	> 10 years
Mortgage Pfandbriefe	555.0	0.0	533.0	160.0	2,264.5	1,207.0	2,656.0	4,634.0	1,102.5
Cover Assets	562.8	307.2	361.6	548.0	1,106.6	955.7	922.1	5,962.8	4,982.5

* acc. to § 28 par. 1 sentence 1 no. 4 Pfandbrief Act

Maturity Structure of the Mortgage Pfandbriefe with extension of 12 months*

2022-12-31	<= 6 months	>6 months and <=12 months	>12 months and <=18 months	>18 months and <=2 years	>2 years and <=3 years	>3 years and <=4 years	>4 years and <=5 years	>5 years and <=10 years	> 10 years
Mortgage Pfandbriefe + 12 months on maturity date	0.0	0.0	533.0	160.0	1,239.5	1,207.0	1,631.0	5,665.0	2,602.5

* acc. to § 28 par. 1 sentence 1 no. 5 Pfandbrief Act

Present Value in EUR by currencies acc. to § 6 PfandBarwertV*

	Net Present Value	
	2022-12-31	2021-12-31
	n/a	n/a

* acc. to § 28 par. 1 sentence 1 no. 14 Pfandbrief Act



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(All figures in EUR mn unless otherwise stated)

Fixed Interest Share Comparison*

	Nominal Value	
	2022-12-31	2021-12-31
Fixed Interest Mortgage Pfandbriefe	10,807.0	7,862.0
as % of Mortgage Pfandbriefe	82.89%	59.96%
Fixed Interest Cover Assets	16,091.6	15,596.8
as % of Total Cover Assets	99.37%	99.28%

* acc. to § 28 par. 1 sentence 1 no. 13 Pfandbrief Act

2 STRUCTURE OF THE COVER POOL

Mortgage Loan Size by Nominal Value*

	Nominal Value		% of Mortgage Loans	
	2022-12-31	2021-12-31	2022-12-31	2021-12-31
x <= 0.3mn EUR	12,403.5	12,069.5	79.87%	79.87%
0.3mn EUR < x <= 1mn EUR	2,378.2	2,246.5	15.31%	14.87%
1mn EUR < x <= 10mn EUR	748.5	795.8	4.82%	5.27%
10mn EUR < x	0.0	0.0	0.00%	0.00%
	15,530.2	15,111.8		

* acc. to § 28 par. 2 no. 1a Pfandbrief Act

Mortgage Loans by Property Type and Property Country as of 2022-12-31*

	Residential					
	Condominiums	Single-Family And Two-Family Houses	Multiple-Family Dwellings	Buildings Under Construction	Land Held For Building	Total
Germany	3,108.1	8,718.9	2,685.3	0.0	0.0	14,512.4
	3,108.1	8,718.9	2,685.3	0.0	0.0	14,512.4

	Commercial						
	Office Buildings	Retail Buildings	Industrial Buildings	Other Commercially Used Buildings	Buildings Under Construction	Land Held For Building	Total
Germany	527.0	150.3	144.2	196.4	0.0	0.0	1,017.9
	527.0	150.3	144.2	196.4	0.0	0.0	1,017.9

* acc. to § 28 par. 2 sentence 1 nos. 1b and 1c Pfandbrief Act



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Mortgage Loans by Property Type and Property Country as of 2021-12-31*

	Residential					Total
	Condominiums	Single-Family And Two-Family Houses	Multiple-Family Dwellings	Buildings Under Construction	Land Held For Building	
Germany	2,843.6	8,322.5	2,821.6	0.0	0.0	13,987.8
	2,843.6	8,322.5	2,821.6	0.0	0.0	13,987.8

	Commercial					Total	
	Office Buildings	Retail Buildings	Industrial Buildings	Other Commercially Used Buildings	Buildings Under Construction		Land Held For Building
Germany	565.2	172.3	162.1	224.4	0.0	0.0	1,124.1
	565.2	172.3	162.1	224.4	0.0	0.0	1,124.1

* acc. to § 28 par. 2 sentence 1 nos. 1b and 1c Pfandbrief Act

Further Cover Assets

	Assets acc. to § 19 par. 1 sentence 1 nos. 2a and 2b Pfandbrief Act ¹				Assets acc. to § 19 par. 1 sentence 1 nos. 3a - 3c Pfandbrief Act ²				Assets acc. to § 19 par. 1 sentence 1 no. 4 Pfandbrief Act ³			
	Total		thereof claims acc. to Article 129 of Regulation (EU) no. 575/2013 (Covered Bonds)		Total		thereof claims acc. to Article 129 of Regulation (EU) no. 575/2013 (Covered Bonds)		Total		thereof claims acc. to Article 129 of Regulation (EU) no. 575/2013 (Covered Bonds)	
	2022-12-31	2021-12-31	2022-12-31	2021-12-31	2022-12-31	2021-12-31	2022-12-31	2021-12-31	2022-12-31	2021-12-31	2022-12-31	2021-12-31
Germany	0.0	0.0	0.0	0.0	220.5	462.5	0.0	0.0	0.0	0.0	0.0	0.0
The Netherlands	0.0	0.0	0.0	0.0	442.0	135.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.0	0.0	0.0	0.0	662.5	597.5	0.0	0.0	0.0	0.0	0.0	0.0
thereof exceeding Limits acc. to § 19 par. 1	0.0	0.0			0.0	0.0			0.0	0.0		

¹ acc. to § 28 par. 1 sentence 1 no. 8 Pfandbrief Act

² acc. to § 28 par. 1 sentence 1 no. 9 and incl. Cover Assets acc. to § 4 par. 1 Pfandbrief Act

³ acc. to § 28 par. 1 sentence 1 no. 10 Pfandbrief Act

	Nominal Value		as % of Mortgage Pfandbriefe	
	2022-12-31	2021-12-31	2022-12-31	2021-12-31
Largest Money Claim against Single Financial Institution	0.0	0.0	0.00%	0.00%
thereof exceeding Limits acc. to § 19 par. 1	0.0	0.0	0.00%	0.00%



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	Nominal Value		as % of Mortgage Pfandbriefe	
	2022-12-31	2021-12-31	2022-12-31	2021-12-31
Largest Money Claim against Central Bank*	0.0	0.0	0.00%	0.00%
<i>thereof exceeding Limits acc. to § 19 par. 1</i>	0.0	0.0	0.00%	0.00%

* acc. to § 19 par. 1 sentence 1 nos. 3a - 3c and § 4 par. 1 sentence 3 no. 2a Pfandbrief Act

3 ADDITIONAL CHARACTERISTICS

Characteristic Factors

	2022-12-31	2021-12-31
Average Loan-to-Value Ratio weighted using the Mortgage Lending Value*	53.84%	53.64%
Volume-weighted Average in Years of the Maturity that has passed since the Mortgage Loan was granted**	5.43	5.38
Total Claims exceeding the Limits of § 13 par. 1 Pfandbrief Act (Countries without preferential right)***	0.00	0.00
Total nominal value acc. to § 19 par. 1 exceeding the limits of § 19 par. 1 sentence 7 ***	0.00	0.00

* acc. to § 28 par. 2 sentence 1 no. 3 Pfandbrief Act

** acc. to § 28 par. 2 sentence 1 no. 4 Pfandbrief Act

*** acc. to § 28 par. 1 sentence 1 no. 11 Pfandbrief Act

Delinquent Assets*

	Nominal Value		thereof Loans with Amount in Arrears at least 5% of the Claim	
	2022-12-31	2021-12-31	2022-12-31	2021-12-31
Germany	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0

* acc. to § 28 par. 2 sentence 1 no. 2 Pfandbrief Act

Characteristic Factors of Liquidity acc. § 28 par. 1 sentence 1 no. 6 Pfandbrief Act

	2022-12-31	2021-12-31
Maximum aggregated daily liquidity requirements for the next 180 days acc. to § 4 par. 1a sentence 3 Pfandbrief Act	-178,788,285.96	-
date on which the aggregated daily liquidity requirement is shown	22/05/2023	-
Cover acc. to par. 4 / 1a (Excess cover + eligible bonds for central bank credit)	662,500,000.00	-



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Characteristic factors acc. § 28 par. 1 sentence 1 no. 7 Pfandbrief Act

	2022-12-31	2021-12-31
Percentage of derivatives as of covered assets acc. to § 19 par. 1 sentence 1 no. 1 (Bonity level 3)	0.00%	0.00%
Percentage of derivatives as of covered assets acc. to § 19 par. 1 sentence 1 no. 2c (Bonity level 2)	0.00%	0.00%
Percentage of derivatives as of covered assets acc. to § 19 par. 1 sentence 1 no. 3d (Bonity level 1)	0.00%	0.00%
Percentage of derivatives as of covered Bonds acc. to § 19 par. 1 sentence 1 no. 1 (Bonity level 3)	0.00%	0.00%
Percentage of derivatives as of covered Bonds acc. to § 19 par. 1 sentence 1 no. 2 c (Bonity level 2)	0.00%	0.00%
Percentage of derivatives as of covered Bonds acc. to § 19 par. 1 sentence 1 no. 3d (Bonity level 1)	0.00%	0.00%

Characteristic acc § 28 par. 1 sentence 1 no. 15 Pfandbrief Act

	2022-12-31	2021-12-31
Percentage of covered assets for which or whose debtor is deemed to have defaulted within the meaning of Article 178 par. 1 CRR	0.00%	0.00%

List of international securities identification numbers (ISIN) by Pfandbrief class*

Bearer Pfandbriefe				
#	2022-12-31		2021-12-31	
	ISIN	Current Balance of issued covered Bond	ISIN	Current Balance of issued covered Bond
1	DE000A1C9566	50.0	DE000A1C9566	50.0
2	DE000A30V2V0	1,000.0	DE000DL19VH7	1,025.0
3	DE000A30VVE6	31.0	DE000DL19TS8	50.0
4	DE000DB7XLE9	250.0	DE000DL19U72	400.0
5	DE000DB7XQT6	5.0	DE000DB7XQT6	5.0
6	DE000DL19S01	750.0	DE000DL19VJ3	1,025.0
7	DE000DL19S68	500.0	DE000DL19S01	750.0
8	DE000DL19SH3	750.0	DE000DL19SH3	750.0
9	DE000DL19T67	500.0	DE000DL19T67	500.0
10	DE000DL19T91	25.0	DE000DL19T91	25.0
11	DE000DL19TS8	50.0	DE000DL19TT6	50.0
12	DE000DL19TT6	50.0	DE000DL19UT4	50.0
13	DE000DL19TV2	100.0	DE000DB7XLE9	250.0
14	DE000DL19U31	500.0	DE000DL19UM9	500.0
15	DE000DL19U72	400.0	DE000DL19U31	500.0
16	DE000DL19UA4	500.0	DE000DL19UA4	500.0
17	DE000DL19UB2	250.0	DE000DL19UB2	250.0
18	DE000DL19UE6	75.0	DE000DL19TV2	100.0
19	DE000DL19UM9	500.0	DE000DB5DCN5	500.0
20	DE000DL19UT4	50.0	DE000DL19UE6	75.0
21	DE000DL19UW8	500.0	DE000DL19UW8	500.0



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List of international securities identification numbers (ISIN) by Pfandbrief class*

Bearer Pfandbriefe				
#	2022-12-31		2021-12-31	
	ISIN	Current Balance of issued covered Bond	ISIN	Current Balance of issued covered Bond
22	DE000DL19V71	250.0	DE000DL19S68	500.0
23	DE000DL19V89	1,250.0	DE000DL19V71	1,250.0
24	DE000DL19WV6	1,000.0	DE000DL19V89	1,250.0
25	DE000A30VPC2	1,000.0		
26	DE000A30VPD0	500.0		

* acc. to § 28 par. 1 sentence 1 no. 2 Pfandbrief Act

Registered Pfandbriefe				
#	2022-12-31		2021-12-31	
	Identifier	Current Balance of issued covered Bond	Identifier	Current Balance of issued covered Bond
1	3700177020	10.0	3700197012	10.0
2	3700178026	0.5	3700252080	3.0
3	3700178034	10.0	3700194021	10.0
4	3700182023	10.0	3700206020	10.0
5	3700183020	20.0	3700224036	20.0
6	3700187025	10.0	3700190042	10.0
7	3700187033	10.0	PP0812AJ4	10.0
8	3700188021	5.0	3700209029	5.0
9	3700190042	10.0	PP6SOJNZ8	10.0
10	3700190050	10.0	PPE08Y3B4	11.0
11	3700192010	25.0	PPEP0TSA3	25.0
12	3700193017	20.0	3700264020	20.0
13	3700194021	10.0	3700182023	10.0
14	3700196040	10.0	3700187025	10.0
15	3700196059	5.0	PP5225X91	10.0
16	3700197012	10.0	3700208022	10.0
17	3700199023	10.0	3700204027	10.0
18	3700200021	10.0	PP9I3GQA2	10.0
19	3700202024	5.0	3700215037	5.0
20	3700202032	5.0	3700241046	5.0
21	3700204027	10.0	3700178034	10.0
22	3700204035	20.0	3700193017	20.0
23	3700205023	5.0	EH8532172	5.0
24	3700206020	10.0	3700266022	10.0
25	3700207042	15.0	PP9U19I04	15.0
26	3700207050	10.0	3700196040	10.0
27	3700208022	10.0	3700212020	10.0
28	3700210035	10.0	PP2Z0IV71	10.0
29	3700211040	25.0	PP7D06MU0	25.0
30	3700212020	10.0	3700199023	10.0
31	3700213026	3.0	3700218028	5.0
32	3700214022	25.0	3700192010	25.0
33	3700215029	20.0	PP3042QD1	20.0
34	3700215037	5.0	3700224028	5.0
35	3700216025	1.0	3700239033	5.0
36	3700216033	5.0	3700246021	5.0
37	3700219024	50.0	3700259026	50.0
38	3700220022	25.0	3700254024	25.0
39	3700222025	20.0	3700204035	20.0
40	3700223021	25.0	3700268025	25.0
41	3700235011	25.0	3700220022	25.0
42	3700237022	5.0	3700198035	5.0
43	3700238029	5.0	3700249020	5.0



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Registered Pfandbriefe				
#	2022-12-31		2021-12-31	
	Identifier	Current Balance of issued covered Bond	Identifier	Current Balance of issued covered Bond
44	3700238037	2.0	3700255055	5.0
45	3700239025	10.0	3700190050	10.0
46	3700239033	5.0	EH8532171	5.0
47	3700239041	0.5	3700205023	5.0
48	3700239068	0.5	3700243022	3.0
49	3700240023	2.0	3700179111	5.0
50	3700241046	5.0	3700202032	5.0
51	3700243022	3.0	3700196059	5.0
52	3700245033	25.0	3700247028	25.0
53	3700246021	5.0	3700216033	5.0
54	3700247028	25.0	3700214022	25.0
55	3700248024	15.0	3700248024	15.0
56	3700249020	5.0	3700179090	5.0
57	3700252056	2.0	3700237022	5.0
58	3700252080	3.0	EH8532169	5.0
59	3700253010	20.0	3700222025	20.0
60	3700254024	25.0	PPE0874V8	25.0
61	3700254032	15.0	3700254032	15.0
62	3700255055	5.0	PPE087K716	5.0
63	3700256027	30.0	3700256027	30.0
64	3700257023	50.0	3700257023	50.0
65	3700258020	50.0	3700258020	50.0
66	3700259026	50.0	3700269021	50.0
67	3700260024	30.0	3700260024	30.0
68	3700261020	5.0	3700202024	5.0
69	3700262027	25.0	3700265026	25.0
70	3700263023	25.0	3700211040	25.0
71	3700264020	20.0	3700253010	20.0
72	3700265026	25.0	3700245033	25.0
73	3700266022	10.0	3700177020	10.0
74	3700267029	15.0	3700207042	15.0
75	3700268025	25.0	3700262027	25.0
76	3700269021	50.0	3700219024	50.0
77	EH8532169	5.0	3700198027	5.0
78	EH8532171	5.0	3700188021	5.0
79	EH8532172	5.0	3700238029	5.0
80	PP073KXC4	40.0	PP073KXC4	40.0
81	PP0812AJ4	10.0	3700207050	10.0
82	PP2Z0IV71	10.0	3700239025	10.0
83	PP303VPQ0	15.0	3700267029	15.0
84	PP3042QD1	20.0	3700183020	20.0
85	PP360XY86	105.0	PP360XY86	105.0
86	PP5225X91	10.0	3700200021	10.0
87	PP5R0KDN6	32.0	PP5R0KDN6	32.0
88	PP6SOJNZ8	10.0	3700187033	10.0
89	PP7D06MU0	25.0	PP9I3A007	25.0
90	PP9F2QG91	15.0	PPEP0BCC5	15.0
91	PP9I2KQ89	165.0	PP9I2KQ89	165.0
92	PP9I3A007	25.0	3700223021	25.0
93	PP9I3A0L3	35.0	PPE00Z139	35.0
94	PP9I3GQA2	10.0	3700210035	10.0
95	PP9U19I04	15.0	PP303VPQ0	15.0
96	PPA01ZIP5	15.0	3700215029	20.0
97	PPE00ACS7	30.0	PPE00ACS7	30.0
98	PPE00DJD7	50.0	PPE00DJD7	50.0
99	PPE00NP14	51.5	PPE00NP14	51.5
100	PPE00Z139	35.0	PP9I3A0L3	35.0
101	PPE0326T7	30.0	PPE0326T7	30.0
102	PPE032CC7	60.0	PPE032CC7	60.0



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Registered Pfandbriefe				
#	2022-12-31		2021-12-31	
	Identifier	Current Balance of issued covered Bond	Identifier	Current Balance of issued covered Bond
103	PPE0874V8	25.0	3700263023	25.0
104	PPE087K716	5.0	3700261020	5.0
105	PPE08Y3B4	11.0	PPA01ZIP5	15.0
106	PPEP0B2N2	85.0	PPEP0B2N2	85.0
107	PPEP0BCC5	15.0	PP9F2QG91	15.0
108	PPEP0TSA3	25.0	3700235011	25.0
109	PPPE02050	80.0	PPPE02050	80.0
110			3700239041	0.5
111			3700216025	1.0
112			3700239068	0.5
113			3700178026	0.5
114			3700238037	2.0
115			3700240023	2.0
116			3700213026	3.0
117			3700252056	2.0

* acc. to § 28 par. 1 sentence 1 no. 2 Pfandbrief Act