Publication in accordance with § 28 PfandBG Mortgage Pfandbriefe

3rd Quarter 2019 as of September 30th, 2019





Mortgage Pfandbriefe - Publication in accordance with § 28 PfandBG as of September 30th, 2019



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I. Nominal value

| Total amounts in mill EUR | Nomina | l value |
|---|---------|---------|
| Total amounts in mili EUR | Q3/2019 | Q3/2018 |
| Outstanding Pfandbriefe | 79,5 | 79,5 |
| Public sector cover pool | 546,1 | 474,0 |
| Overcollateralization | 466,6 | 394,5 |
| Overcollateralization in % of outstanding | 586,9 % | 496,2 % |

II. vdp-Credit qualitiy differentiation model

| Overcollateralization in consideration of the "vdp-Credit quality differentiation model" | Nomina | al value | Net present value | | |
|--|---------|----------|-------------------|---------|--|
| in mill EUR | Q3/2019 | Q3/2018 | Q3/2019 | Q3/2018 | |
| Overcollateralization | 466,6 | 394,5 | 502,7 | 418,6 | |
| Overcollateralization according to the "vdp-Credit quality differentiation model" | 466,6 | 394,5 | 502,7 | 418,6 | |
| Overcollateralization in % of outstanding | 586,9 % | 496,2 % | 627,6 % | 522,7 % | |

III. Derivatives contained in cover pool

| Total amounts in mill EUR | Nomina | al value |
|---------------------------|---------|----------|
| Total amounts in mili EOR | Q3/2019 | Q3/2018 |
| Derivates | 0,0 | 0,0 |

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IV. Nominal value and net present value

| Total amounts in mill EUR | Nomina | al value | Net present value | |
|---|---------|----------|-------------------|---------|
| Total amounts in mili EUR | Q3/2019 | Q3/2018 | Q3/2019 | Q3/2018 |
| Outstanding Pfandbriefe | 79,5 | 79,5 | 80,1 | 80,1 |
| Public sector cover pool | 546,1 | 474,0 | 582,8 | 498,7 |
| Overcollateralization | 466,6 | 394,5 | 502,7 | 418,6 |
| Overcollateralization in % of outstanding | 586,9 % | 496,2 % | 627,6 % | 522,7 % |

| Total amounts in mill EUR | Net present value + 250 BP Net present value - 250 Bl | | alue - 250 BP | Net present value Currency stress | | |
|---|---|---------|---------------|--------------------------------------|---------|---------|
| | Q3/2019 | Q3/2018 | Q3/2019 | Q3/2018 | Q3/2019 | Q3/2018 |
| Outstanding Pfandbriefe | 78,4 | 76,5 | 81,9 | 84,0 | 78,4 | 76,5 |
| Public sector cover pool | 539,6 | 456,3 | 632,3 | 548,4 | 539,6 | 456,3 |
| Overcollateralization | 461,3 | 379,8 | 550,4 | 464,4 | 461,3 | 379,8 |
| Overcollateralization in % of outstanding | 588,6 % | 496,8 % | 671,8 % | 552,8 % | 588,6 % | 496,8 % |

| Foreign Currencies | Net present value currency | • | Rates of exchange | | Net present value in mill EUR | |
|--------------------|----------------------------|---------|-------------------|---------|----------------------------------|---------|
| | Q3/2019 | Q3/2018 | Q3/2019 | Q3/2018 | Q3/2019 | Q3/2018 |
| Total amounts | | | | | 0,0 | 0,00 |

Remark: Net present value on Static Method basis in accordance with § 5 and § 6 PfandBarwertV





V. Maturity structure

| Maturity ranges | | | Outstanding Pfandbriefe in mill EUR | | Mortgage cover | pool in mill EUR |
|-----------------|----|-----------|-------------------------------------|---------|----------------|------------------|
| , , | | | Q3/2019 | Q3/2018 | Q3/2019 | Q3/2018 |
| | <= | 6 months | 30,0 | 0,0 | 0,0 | 21,2 |
| 6 months | <= | 12 months | 29,5 | 0,0 | 44,9 | 0,0 |
| 12 months | <= | 18 months | 0,0 | 30,0 | 54,3 | 0,0 |
| 18 months | <= | 2 years | 10,0 | 29,5 | 20,2 | 51,9 |
| 2 years | <= | 3 years | 10,0 | 10,0 | 129,7 | 74,5 |
| 3 years | <= | 4 years | 0,0 | 10,0 | 97,3 | 64,7 |
| 4 years | <= | 5 years | 0,0 | 0,0 | 0,0 | 118,1 |
| 5 years | <= | 10 years | 0,0 | 0,0 | 199,8 | 143,6 |
| | > | 10 years | 0,0 | 0,0 | 0,0 | 0,0 |
| Total amounts | | | 79,5 | 79,5 | 546,1 | 474,0 |





VI. Breakdown of cover pool by size

| Breakdown of cover | nool by size (in mill l | ELID) | | |
|---|-------------------------|---------------|---------|---------|
| breakdown or cover | poor by size (in mili i | EUR) | Q3/2019 | Q3/2018 |
| Regular cover | <= | 0,3 mill EUR | 0,0 | 0,0 |
| Mortgage Loans | | | 0,0 | 0,0 |
| Regular cover | 0,3 mill EUR <= | 1,0 mill EUR | 0.0 | 0.8 |
| Mortgage Loans | | | 0,0 | 0,8 |
| Regular cover | 1,0 mill EUR <= | 10,0 mill EUR | 5,9 | 26,4 |
| Mortgage Loans | | | 5,9 | 20,4 |
| Regular cover | > | 10,0 mill EUR | 505,2 | 436,8 |
| Mortgage Loans | | | 303,2 | 450,0 |
| Amounts | | | 511,1 | 464,0 |
| Additional cover pool a § 19 para. 1 no. 1, no. | _ | | 35,0 | 10,0 |
| Total amounts | | | 546,1 | 474,0 |



VII. Fixed-interest rate assets

| Total amounts of fixed-interest assets (nominal and percentage values) | Total amounts in mill EUR | | thereof: Nomina interes | al value of fixed t assets | thereof: Percer interest | • |
|--|---------------------------|---------|-------------------------|-------------------------------|-----------------------------|---------|
| | Q3/2019 | Q3/2018 | Q3/2019 | Q3/2018 | Q3/2019 | Q3/2018 |
| Outstanding Pfandbriefe | 79,5 | 79,5 | 79,5 | 79,5 | 100,0 % | 100,0 % |
| Public sector cover pool | 546,1 | 474,0 | 460,3 | 390,9 | 84,3 % | 82,5 % |

VIII. Volume-weighted average maturity elapsed

| Information on claims according to § 12 PfandBG | Average in years | | |
|--|------------------|---------|--|
| | Q3/2019 | Q3/2018 | |
| According to § 28 para. 1 no. 11 PfandBG: Volume-weighted average of the maturity that has elapsed since the loan was granted (seasoning) | 3,6 | 3,2 | |

IX. Weighted average mortgage lending value

| Information on claims according to § 12 PfandBG | Average i | n percent |
|--|-----------|-----------|
| according to § 12 Francisco | Q3/2019 | Q3/2018 |
| According to § 28 para. 2 no.3 PfandBG: Weighted mortgage lending value | 58,4 | 56,3 |



X. Additional cover pool assets

| <u> </u> | | | | | | | |
|---|-------------|-------------|-----------------|--------------------|---|---------------------|---------------------|
| ional cover pool assets according to | | Total amoun | its in mill EUR | _ | | | |
| para. 1 no. 1, no. 2 and no. 3 PfandBG | | Q3/2019 | Q3/2018 | | | | |
| | | 35,0 | 10,0 | | | | |
| Thereof additional cover pool assets according to § 28 para. 1 no. 4 | | Total amoun | its in mill EUR | | | | |
| in conjunction with § 19 para. 1 no. 1 Pfa | andBG | Q3/2019 | Q3/2018 | | | | |
| | | 0,0 | 0,0 | | | | |
| Thereof additional cover pool assets according to § 28 para. 1 no. 5 in conjunction with § 19 para. 1 no. 2 Pfa | andBG | Total amoun | ts in mill EUR | according to Artic | e in covered bonds cle 129 Regulation 575/2013 | _ | |
| based in | Code (*) | Q3/2019 | Q3/2018 | Q3/2019 | Q3/2018 | | |
| Germany | DE | 0,0 | 0,0 | 0,0 | 0,0 | _ | |
| Total amounts | | 0,0 | 0,0 | 0,0 | 0,0 | | |
| Thereof additional cover pool assets according to § 28 para. 1 no. 6 in conjunction with § 19 para. 1 no. 2 and PfandBG | d 3 | Total amoun | its in mill EUR | according to § 20 | osure in bonds D para. 1 PfandBG no. 3 PfandBG) | with § 4 para. 1 se | o. 2 in conjunction |
| based in | Code (*) | Q3/2019 | Q3/2018 | Q3/2019 | Q3/2018 | Q3/2019 | Q3/2018 |
| Bundesrepublik Deutschland | DE | 35,0 | 10,0 | 25,0 | 0,0 | 10,0 | 10,0 |
| Total amounts | | 35,0 | 10,0 | 25,0 | 0,0 | 10,0 | 10,0 |

^(*) Remark: The terms of country codes are based on the two-letter ISO-Codes defined in 'ISO 3166 alpha-2', published by the International Organization for Standardization (ISO).





XI. Exceedances

| Information according to § 28 para. 1 | Total amoun | Total amounts in mill EUR | | |
|---|-------------|---------------------------|--|--|
| no. 7 and no. 8 PfandBG | Q3/2019 | Q3/2018 | | |
| Cover pool assets that exceed the limits of § 13 para. 1 PfandBG (§ 28 para. 1 no. 7 PfandBG) | 0,0 | 0,0 | | |
| Cover pool assets that exceed the limits of § 19 para. 1 no. 2 PfandBG (§ 28 para. 1 no. 8 and no. 5 PfandBG) | 0,0 | 0,0 | | |
| Cover pool assets that exceed the limits of § 19 para. 1 no. 3 PfandBG (§ 28 para. 1 no. 8 and no. 6 PfandBG) | 0,0 | 0,0 | | |





XII. Breakdown of cover pool

| | Commercial amounts in mill EUR | | Residential amounts in mill EUR | |
|---|--------------------------------|---------|--|---------|
| Total amounts | | | | |
| | Q3/2019 | Q3/2018 | Q3/2019 | Q3/2018 |
| Condominiums | 0,0 | 0,0 | 0,0 | 0,0 |
| Single-/Two-family-houses | 0,0 | 0,0 | 0,0 | 0,0 |
| Multi-family dwellings | 0,0 | 0,0 | 0,0 | 0,0 |
| Office buildings | 345,8 | 303,2 | 0,0 | 0,0 |
| Retail buildings | 43,8 | 65,0 | 0,0 | 0,0 |
| Industrial buildings | 0,0 | 0,0 | 0,0 | 0,0 |
| Other commercial buildings | 121,5 | 95,7 | 0,0 | 0,0 |
| Buildings under construction not yet producing yield | 0,0 | 0,0 | 0,0 | 0,0 |
| Building land | 0,0 | 0,0 | 0,0 | 0,0 |
| Amounts | 511,1 | 464,0 | 0,0 | 0,0 |
| Additional cover pool assets (statutory overcollateralization / safeguarding liquidity inclusive) | 35,0 | 10,0 | 0,0 | 0,0 |
| Total amounts | 546,1 | 474,0 | 0,0 | 0,0 |





XII. Breakdown of cover pool

| | Commercial amounts in mill EUR | | Residential amounts in mill EUR | |
|---|--------------------------------|---------|--|---------|
| Germany | | | | |
| | Q3/2019 | Q3/2018 | Q3/2019 | Q3/2018 |
| Condominiums | 0,0 | 0,0 | 0,0 | 0,0 |
| Single-/Two-family-houses | 0,0 | 0,0 | 0,0 | 0,0 |
| Multi-family dwellings | 0,0 | 0,0 | 0,0 | 0,0 |
| Office buildings | 106,1 | 106,1 | 0,0 | 0,0 |
| Retail buildings | 0,0 | 21,2 | 0,0 | 0,0 |
| Industrial buildings | 0,0 | 0,0 | 0,0 | 0,0 |
| Other commercial buildings | 121,5 | 95,7 | 0,0 | 0,0 |
| Buildings under construction not yet producing yield | 0,0 | 0,0 | 0,0 | 0,0 |
| Building land | 0,0 | 0,0 | 0,0 | 0,0 |
| Amounts | 227,6 | 223,1 | 0,0 | 0,0 |
| Additional cover pool assets (statutory overcollateralization / safeguarding liquidity inclusive) | 35,0 | 10,0 | 0,0 | 0,0 |
| Total amounts | 262,6 | 233,1 | 0,0 | 0,0 |





XII. Breakdown of cover pool

| | Commercial amounts in mill EUR | | Residential amounts in mill EUR | |
|---|--------------------------------|---------|---------------------------------|---------|
| France | | | | |
| | Q3/2019 | Q3/2018 | Q3/2019 | Q3/2018 |
| Condominiums | 0,0 | 0,0 | 0,0 | 0,0 |
| Single-/Two-family-houses | 0,0 | 0,0 | 0,0 | 0,0 |
| Multi-family dwellings | 0,0 | 0,0 | 0,0 | 0,0 |
| Office buildings | 239,6 | 197,1 | 0,0 | 0,0 |
| Retail buildings | 43,8 | 43,8 | 0,0 | 0,0 |
| Industrial buildings | 0,0 | 0,0 | 0,0 | 0,0 |
| Other commercial buildings | 0,0 | 0,0 | 0,0 | 0,0 |
| Buildings under construction not yet producing yield | 0,0 | 0,0 | 0,0 | 0,0 |
| Building land | 0,0 | 0,0 | 0,0 | 0,0 |
| Amounts | 283,5 | 240,9 | 0,0 | 0,0 |
| Additional cover pool assets (statutory overcollateralization / safeguarding liquidity inclusive) | 0,0 | 0,0 | 0,0 | 0,0 |
| Total amounts | 283,5 | 240,9 | 0,0 | 0,0 |

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XIII. Debts in arrears > 90 Days (in mill EUR)

| Geographical distribution | Total amounts in mill EUR | | |
|---------------------------|---------------------------|---------|---------|
| Country | Code (*) | Q3/2019 | Q3/2018 |
| Germany | DE | 0,0 | 0,0 |
| France | FR | 0,0 | 0,0 |
| Total amounts | | 0,0 | 0,0 |

XIV. Total amounts of nonperforming assets, if at least 5% of each individual claim are non performing (in mill EUR)

| Geographical distribution | Total amounts in mill EUR | | |
|---------------------------|---------------------------|---------|---------|
| Country | Code (*) | Q3/2019 | Q3/2018 |
| Germany | DE | 0,0 | 0,0 |
| France | FR | 0,0 | 0,0 |
| Total amounts | | 0,0 | 0,0 |

^(*) Remark: The terms of country codes are based on the two-letter ISO-Codes defined in 'ISO 3166 alpha-2', published by the International Organization for Standardization (ISO).





| | | Q3/2019 |
|------------------------------------|-------------|---------|
| WAL of cover pool (Total) | in years | 3,6 |
| Part of ECB elligble securities | in mill EUR | 35,0 |
| Overcollateralisation by law (npv) | in % | 2,0 |

| Currency Exposure (nominal) | in mill EUR | Q3/2019 |
|-----------------------------|-------------|---------|
| EUR | | 546,1 |

| Current Rating of Pfandbrief (according to Rating Agency) | Q3/2019 |
|---|-----------|
| Moody's | Not rated |
| S&P | Not rated |





| Breakdown of claims agianst centralbanks and banks according to section 25 para. 1 no. 5 by Credit Quality Step | in mill EUR | Q3/2019 |
|---|-------------|---------|
| Credit Quality Step 1 | | 0,0 |
| Credit Quality Step 2 | | 0,0 |

| Derivates | | Q3/2019 |
|---|--------------|---------|
| Are derivatives included in the cover pool? | Yes / No | No |
| Dervatives in the cover pool (npv) | in mill EUR | 0 |
| Type of swaps (I=intra-group, E=external, B=both, N=none) | (I, E, B, N) | N |



| Loans (*) | | Residential | Commercial |
|---|-------------|-------------|------------|
| Loans (*) | | Q3/2019 | Q3/2019 |
| Number of loans | | 0 | 14 |
| Number of borrowers | | 0 | 18 |
| Total amount of loans granted to the 10 biggest borrowers | in mill EUR | 0,0 | 386,3 |
| Number of properties | | 0 | 18 |
| Part of owner occupied homes of cover assets | in mill EUR | 0,0 | 0,0 |
| Part of multi-family homes of cover assets | in mill EUR | 0,0 | 0,0 |

| Loans (*) | | Q3/2019 |
|---|-------------|---------------------|
| % of insured mortgages in the cover pool of total cover asstes | in % | 100,0% |
| Are Insurances part of the cover pool? | Yes / No | Yes |
| Are guaranteed loans included in the cover pool? | Yes / No | Not applicable (**) |
| % of guaranteed loans of total cover asstes | in % | Not applicable (**) |
| Are self certified loans included in the cover pool? | Yes / No | Not applicable (**) |
| Are limited certified loans included in the cover pool? | Yes / No | Not applicable (**) |
| % of non first lien mortgages in the cover pool of total cover assets | in % | Not applicable (**) |
| Are ABS included in the cover pool? | Yes / No | Not applicable (**) |
| Part of interest only loans of total cover assets | in mill EUR | 420,4 |

^(*) Remark: Only regular cover pool assets are included. (**) Remark: Not applicable according to current legal situation.





| Loan to Value (L1 | 「V)in buck | ets | in mill EUR | Q3/2019 |
|-------------------|------------|-----|-------------|---------|
| > 0% | <= | 20% | | 0,0 |
| > 20% | <= | 30% | | 0,0 |
| > 30% | <= | 40% | | 0,0 |
| > 40% | <= | 50% | | 0,0 |
| > 50% | <= | 60% | | 511,1 |

| Loan seasoning in residential + comn | | | in mill EUR Q3/20 | 19 |
|---|----|------------|-------------------|----|
| | <= | 12 months | 0, | ,0 |
| 12 months | <= | 24 months | 120, | ,4 |
| 24 months | <= | 36 months | 37, | ,4 |
| 36 months | <= | 60 months | 353, | ,3 |
| 60 months | <= | 120 months | 0, | ,0 |
| 120 months | > | | 0, | ,0 |





II. Additional voluntary information about the outstanding Pfandbriefe

| | | Q3/2019 |
|---|-----------|---------------------|
| WAL of Outstanding Pfandbriefe (Total) | in years | 0,9 |
| Do the Pfandbrief contain a soft bullet structure? | Yes / No | No |
| If yes, how long is the extension period? | in months | - |
| If yes, is the soft bullet part of the legal framework? | Yes / No | No |
| Do the Pfandbrief contain a pass through structure? | Yes / No | Not applicable (**) |

| Currency Exposure (nominal) | in mill EUR | Q3/2019 |
|-----------------------------|-------------|---------|
| EUR | | 79,5 |

^(**) Remark: Not applicable according to current legal situation.