Presentation to Fixed Income Invest

HypoVereinsbank – UniCredit Bank AG



Munich, May 2023

Empowering Communities to Progress.



Agenda



HypoVereinsbank at a glance

Update on latest results

Funding

Green Buildings Portfolio

Cover Pool



Annex

Contacts



HypoVereinsbank at a glance



150 Years – From Bayerische Vereinsbank to UniCredit Bank AG

Founded in 1869 as "Bayerische Vereinsbank AG" the business was started in Munich, Bavaria



Headquarter of the Bayerische Vereinsbank in 1884



Since 2016 the HVB Tower has become Headquarter of the UniCredit Bank AG





1 2 3 4 5 6 7

Part of a simple successful Pan European UniCredit, HypoVereinsbank has an excellent market position in the strong German economy



General remark: Unless stated otherwise "HypoVereinsbank" refers to UniCredit Bank AG and its subsidiaries in this document ¹HypoVereinsbank ranked as top 3 German private bank. Peer group "Bankengruppe der Großbanken" as defined by Deutsche Bundesbank. Based on Total Assets as of FY2O21





Update on latest results

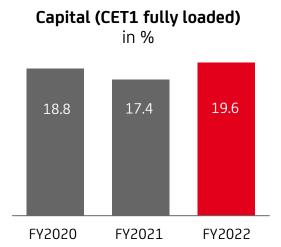


HypoVereinsbank with positive business performance in the extremely challenging market environment in FY2022

	Operating income	EUR 4,329 m	EUR 4,749 m	+9.7%
>	Operating costs	EUR -2,806 m	EUR -2,611 m	-6.9%
Profitability	Operating profit	EUR 1,523 m	EUR 2,138 m	+40.4%
rofit	Net write-down of loans and provisions for guarantees and commitments	EUR -114 m	EUR -299 m	+162.3%
•	Net operating profit	EUR 1,409 m	EUR 1,839 m	+30.5%
	Profit before tax	EUR 626 m	EUR 1,768 m	+182.4%
		31.12.2021	31.12.2022	Δ
8.4	Total assets	EUR 312 bn	EUR 318	+1.9%
Balance sheet	Shareholders' equity	EUR 17.8 bn	EUR 19.7	+10.7%
•	Leverage ratio (Basel III, fully loaded)	5.3%	5.4%	+10 bps
ory	Common Equity Tier 1 ratio (fully loaded)	17.4%	19.6%	+220 bps
Regulatory ratios	Risk weighted assets (including equivalents for market risk and operational risk)	EUR 86.9 bn	EUR 82.1 bn	-5.5%
Re	Liquidity Coverage Ratio (LCR)	>100%	>100%	-



Healthy balance sheet provides sound base for sustainable growth and business continuity



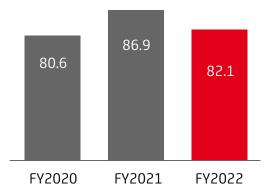
Leverage ratio (Basel III, fully loaded)

in %



 Leverage ratio on a comfortable level over the last 2 years.

Risk-weighted assets¹ in EUR bn



 The total risk-weighted assets determined in accordance with Basel III requirements amounted to EUR 82.1 bn at end of 2022 and were thus EUR 4.8 bn lower than year-end 2021.



generation.

both national and international

Continuously excellent capital base by

standards thanks to our organic capital



Funding

- •

- •
- •
- •
- •





Well diversified and centrally coordinated funding and liquidity profile





- **UniCredit S.p.A.** acts as the Group **Holding** as well as the Italian operating bank and is the **TLAC / MREL issuer** under Single-Point-of-Entry (SPE)
- **Geographical diversification** and well-established name with recognition in domestic markets provides funding diversification
- Modest size 2023 Group Funding Plan, with UniCredit S.p.A. expected to return issuing **Covered Bonds**
- In Jan 23 already raised a combined amount of €3.5bn with public issuances out of the 3 main legal entities, with strong demand, high quality/granular books, limited New Issue Premium paid and solid performance on the secondary market, proof of investors' appetite

						<u> </u>		
	Group		Italy		Germany		CE & EE	
	2023 Budget	Already Issued	2023 Budget	Already Issued	2023 Budget	Already Issued	2023 Budget	Already Issued
Covered Bonds and Securitizations ²	up to 9	~ 2.4	up to 3	-	up to 3	~ 1.4	up to 3	~ 1
Senior Preferred and Structured Notes	up to 7.5	~ 1.1	up to 5	~ 1.1	up to 2	-	up to 0.5	-
Senior Non Preferred	up to 1.5	-	up to 1.5	-	-	-	-	-
AT1 and T2	up to 1	-	up to 1	-	-	-	-	-
Total	up to 19	~ 3.5	up to 10.5	~ 1.1	up to 5	~ 1.4	up to 3.5	~1

2023 Budget - Volumes (€/ha) 31/01/2023

¹Austria, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, Hungary, Romania, Russia, Serbia, Slovakia and Slovenia ²Other secured funding sources like supranational funding not included



HypoVereinsbank: Funding and liquidity management

- UniCredit Bank AG, as the German subsidiary of UniCredit S.p.A., manages its liquidity and funding on the base of the policies of the Group, exploiting the opportunity to leverage on its unique funding base, also geographical, with a solid mix of instruments.
- The activities are coordinated Group wide and are based on a common framework, to optimise market access and funding costs
- The funding strategy aims at:
 - Covering the bank's needs at limited cost
 - Limiting the maturity mismatch between assets and liabilities
 - Optimising the projected cash flows

UniCredit Bank AG is **active as Issuer** in the following instruments:

• Mortgage and Public Sector covered bonds ("Pfandbriefe")

1 2 3 4 5 6 7

- Private placements
- Retail issues
- Registered notes secured and unsecured (in SP format)
- French CD



A leading Pfandbrief issuer: EUR 25.4bn¹ Covered bonds outstanding

- 85% mortgage covered bonds
- 15% public sector covered bonds

Funding as of 31/03/2023:

- Nearly 72% of the outstanding wholesale funding is issued in covered bonds
- Senior unsecured funding mainly in structured format





HypoVereinsbank's funding mix: Sustainable, diversified and risk adjusted

Strict three-pillar funding strategy¹:

Sustainability

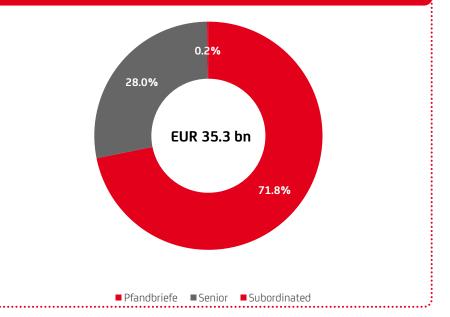
- Solid medium / long term funding with constant presence on the debt capital market
- Declining outstanding issuance volume within a sound balance sheet structure (2010: >EUR 62 bn; 1Q/2023: EUR 35.3 bn)

Diversification

- Diversification and activity in all channels to avoid concentration risk especially with regard to seniors
- Covered bonds ("Pfandbriefe") as important source of funding due to cost-efficiency, first-class credit quality and high degree of safety for investors
- Risk Management
 - Maturity diversification to avoid concentration risk

Split of outstanding issuance¹ by instrument type in %

1 2 3 4 5 6



¹Figures as of 31/03/2023, net volume of senior, subordinated and covered bonds "Pfandbriefe" of UniCredit Bank AG and their subsidiaries (without own issuances held on own books); Positions within UniCredit Group are excluded, except held for trading purposes

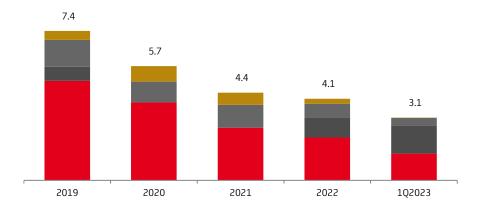
Medium-Long Term Funding: Solid and diversified funding structure

HypoVereinsbank's funding risk continues to remain on a low level due to

- Use of various channels
- Wide range of funding products
- Issuance in multiple asset classes and markets
- Well diversified group of investors

Funding volume and breakdown of funding sources¹ in EUR bn

1 2 3 4 5 6 7



Mortgage Covered Bonds

- Public Sector Covered Bonds
- Unsecured Retail Placement
- Unsecured Private Placements & Schuldscheine



Ratings¹ of HypoVereinsbank reflect robust business model and strong focus on the German market

	Moody's	STANDARD &POOR'S	Fitch Ratings
Long-term / Outlook / Short-term	Counterparty Rating: A1/P-1 Deposits: A2/neg/P-1 Issuer Rating: A2/neg Sen. Unsec.: A2/neg Jr. Sen. Unsec.: Baa2	Resolution Counterparty Rating: A-/A-2 Issuer Credit Rating: BBB+/stable/A-2 Sen. Unsec.: BBB+ Sen. Subord.: BBB	Derivative Counterparty Rating: A-(dcr) Deposits: A-/F2 Issuer Default Rating: BBB+/stable/F2 Sen. Preferred: A-/F2 Non-Preferred Sen. Unsec.: BBB+
Stand-alone Rating	baa2	ხხხ+	ხხხ+
Public Sector Covered Bonds / Outlook	Aaa	-	-
Mortgage Covered Bonds / Outlook	Aaa	-	-

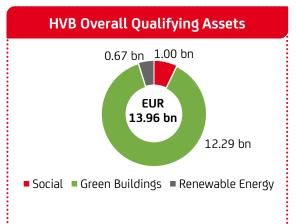
¹Ratings as of 03/05/2023



Green Buildings Portfolio

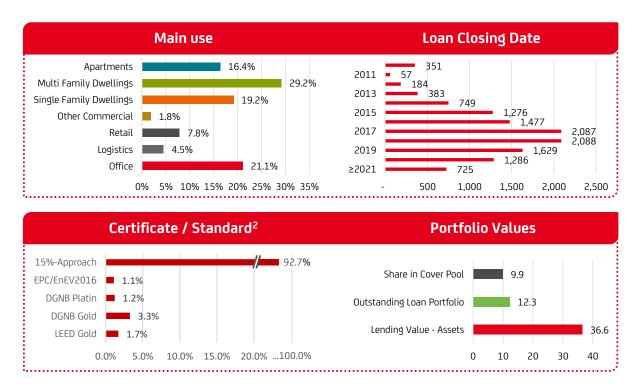


1 2 3 4 5 6 7



Green buildings

#32,169	
0.38 m	
18.4 ys	
9.9 bn	



¹Asset value as of 31.03.22

²LEED = Leadership in Energy and Environmental Design, DGNB = Deutsche Gesellschaft für Nachhaltiges Bauen, EnEV= Energieeinsparverordnung

Green Buildings Portfolio: Sample Project "Welfengarten"

"Welfengarten" – A sustainable city district development

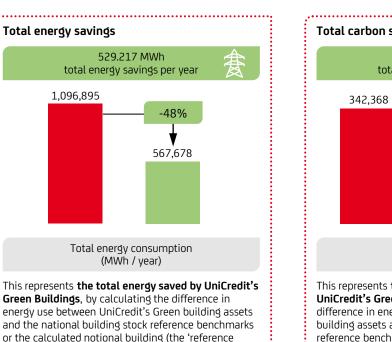
- The project "Welfengarten" in the heart of **Munich's well known area "Nockherberg"** has been awarded a Real Estate Green Loan of UniCredit.
- As a 100% brownfield development, the area was fully sealed. The ecological quality is reflected by up to 13% CO₂-reduction compared to the EnEV 2016 through environmentally friendly energy supply.
- With district heating, energy management system, and thermal insulation facade – the focus is on optimal value development over the life cycle of the property as well as the quality of the socio-cultural factors (including 30 units reserved for low-and-middle-income households¹).
- The project "Welfengarten" is part of the urban district, which provides in whole 1,500 units, where around 3,500 people in Munich can also find recovery in the neighboring park of 14,000 sqm. Several daycare centers, playgrounds as well as new pedestrian and cycle paths complete the modern and sustainable urban district.

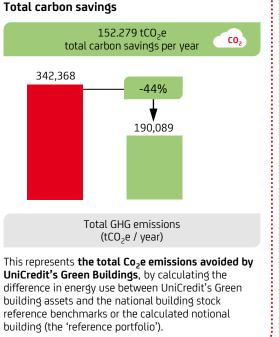
52, 000 kg CO₂-emissions p.a. avoided²

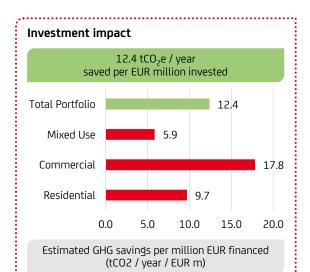


¹In accordance with official requirements. ²Compared to the EnEV 2016

<u>Impact – Green Buildings Portfolio¹</u>







1 2 3 4 5 6 7

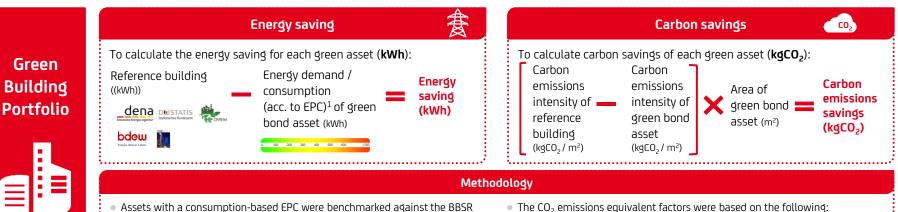
Given the investment impact of 12.4 tCO₂e / year per EUR m there are savings of 6,200 tCO₂e / year allocated to a 500 EUR m Green Pfandbrief issued by UniCredit Bank AG.

¹Loan data as of 31 Mar 2022: Energy and carbon savings are allocated proportionally to UniCredit Bank AG's current Loan-to-Value.



portfolio').

1 2 3 4 5 6 7



- 2019 national energy reference benchmarks for HVAC conditioned offices with heating and electricity.
- Assets with a demand, calculation-based energy performance certificate were benchmarked against the object and asset-specific notional reference benchmark for heating and electricity, based on primary energy and converted into site energy demand including energy sources, carrier and conversion
- factors (site-to-source, CO₂-equivalents).
- For residential assets with a demand, calculation-based energy performance certificate are benchmarked against the national average reference benchmark for the building stock.

- The CO₂ emissions equivalent factors were based on the following:
 - Gebäudeenergiegesetz GEG 2020
 - DIN V 18599:2018/ BAFA guidelines 2020
 - Covenant of Mayors for Climate & Energy: Default emission factors for local emission inventories – Version 2017
 - CoM Default Emission Factors for the Member States of the European Union
 - City-specific district heating emissions factors were provided by the energy supplier and corresponding valid CO₂-certificates
- The electricity (green power) mix was calculated on the basis of the annual public net energy use-weighted mix for Germany for the year 2020, based on the CoM emission factors for renewable energies (wind, solar, hydro)





Cover pool

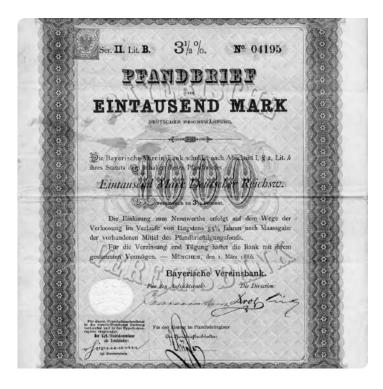
- •
- •
- •
- •



From the first Communal Obligation in 1871 to the Green Pfandbrief

- In 1869 the "Bayerische Vereinsbank" received the permission to issue Pfandbrief
- 1871 the first communal obligation was issued
- Since this time the Pfandbrief has always been one of the main refinancing instruments of the bank and HVB has established itself as a permanent issuer in the Capital markets
- 2019 first USD denominated Public Pfandbrief benchmark issue
- 2021 HVB has committed to the Minimum Standards of the VdP for the "Green Pfandbrief"





1 2 3 4 5 6 7

HypoVereinsbank and its Pfandbrief History

King Frederick II decreed the first mortgage bond in Germany, referred to as "Pfandbrief"

King Max II introduced the modern Pfandbrief system in Bavaria Foundation of Bayerische Vereinsbank

Formation of a powerful mortgage bank: HypoVereinsbank Merger of Bayerische Hypotheken- und Wechsel Bank and Bayersische Vereinsbank

HypoVereinsbank becomes part of UniCredit Group

2005

1769

1864

1869

1998









1 2 3 4 5 6 7



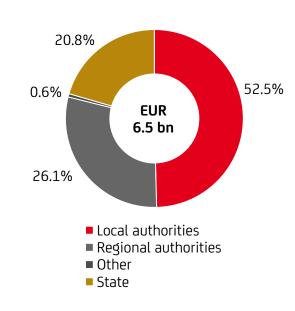


HypoVereinsbank's cover pool at a glance: A strong Pfandbrief house

As of 31.03.2023 Public Mortgage Pool type Dynamic Cover pool (EUR m) Nominal value¹ 30.827 6.501 Net present value 29,551 6,452 Substitute assets 0,657 0 Total number of loans 132,200 1.521 Fixed rate loans 82.2% 74.6% Floating rate loans 17.8% 25.4% Outstanding issues (EUR m) Nominal value 26.167 4.222 Net present value 23.662 4.143 Overcollateralisation² 20.3% 49.9%

Mortgage pool 1.8% 28.6% EUR 31.5 bn 69.6% Residential Commercial Substitute assets

Total cover pool – Split mortgage and public sector (1Q2023)



Public sector pool

1 2 3 4 5 6 7

¹Excluding substitute assets

²OC calculated with nominal values of cover pool and outstanding issues

Mortgage cover pool with purely German assets

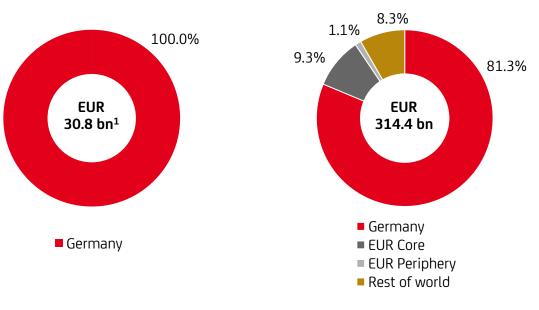
- As one of the oldest Pfandbrief players in Germany, HypoVereinsbank is well acquainted with the characteristics of the highly regulated German market
- With exclusively German assets in the mortgage cover pool, HypoVereinsbank benefits from the country's solid and reliable economic situation
- With 18%, the non-German exposure of the members of the Association of German Pfandbrief Banks (vdp) is substantially higher compared to HypoVereinsbank

Total mortgage cover pool – Split by country of asset location (1Q2023)

Cover pool HypoVereinsbank² (1Q2023) Cover p

Cover pool all vdp-members² (3Q2022)

1 2 3 4 5 6 7



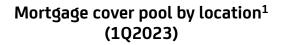
¹Without further cover assets

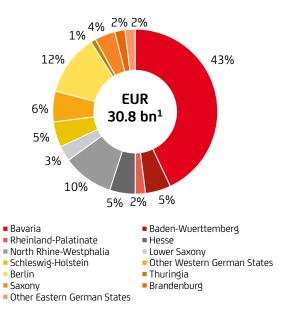
²EUR Core: B, DK, F, FIN, LUX, NL, AUT, PL, S, CZ, LIE, EU; EUR Periphery: BUL, EST, GR, IT, IRL, LET, LIT, MALT, PORT, RO, SLO, SK, ESP, HU, CY ; Rest of world: ISL, NOR, CH, JAP, CAN, USA, GB



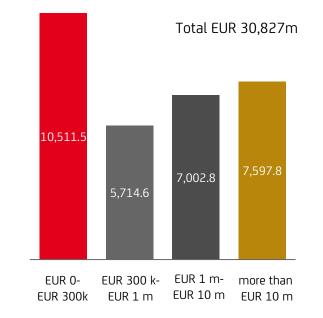
Mortgage cover pool with solid foothold in economically strong Bavaria

- UniCredit Bank AG's mortgage cover pool is mostly concentrated in economically strong federal state Bavaria where the bank has strongest presence
- The non-Bavarian mortgage cover pool is well diversified between the capital Berlin and the remaining federal states
- Mortgages of up to three hundred thousand Euros account for almost 36% of the entire mortgage cover pool basing it on a wide an solid foundation





Mortgage cover pool by size¹ (1Q2023 in EUR m)



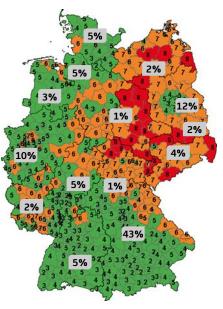
¹Without further cover assets in accordance with section 19 (1) PfandBG

Mortgage cover pool with solid foothold in economically strong Bavaria

Consistent risk management

- Internal risk map based on empirical data from decades serves as basis for Loan-to-value (LTV) limits
- Focus areas of HypoVereinsbank's mortgage cover pool in low risk regions
- Majority of the mortgage cover pool with a LTV <100%

Risk map residential real estate¹



Loan-to-value limits

for retail and private banking clients

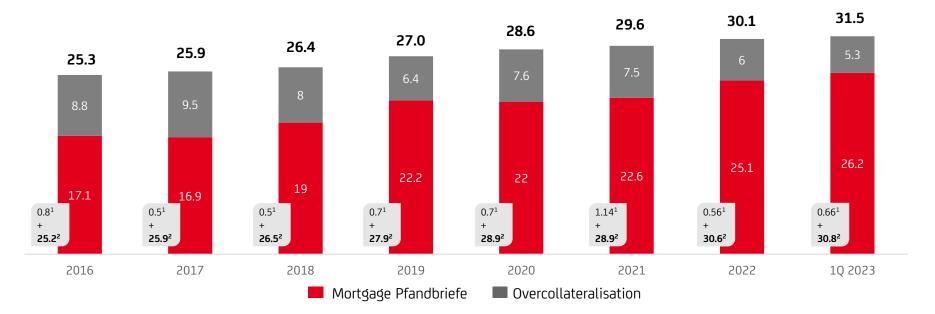
Division	Risk color	LTV limit ²		
		Owner- occupied	Buy to let	
Retail		95%	80%	
Retail		85%	70%	
Retail		70%	no financing	
Private Banking		100%	100%	
Private Banking		70%	70%	

¹As of 1Q2023 ²Loan-to-value limits are calculated on the basis of market values derived from internal calculations (System Wertweiser, KRQ and on-site visit)



Investors benefit from high level of overcollateralisation of outstanding Pfandbriefe

Total mortgage cover pool development and nominal overcollateralization in historical comparison (in EUR bn)



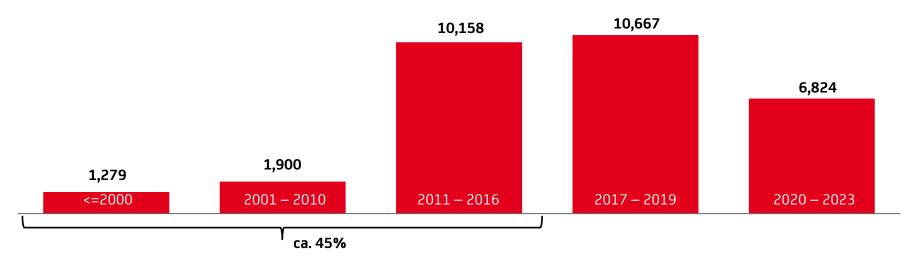
¹Further cover assets in accordance with section 19 (1) German Pfandbrief Act

27

²Mortgage cover assets: There are no derivatives and foreign currency assets used as cover for Mortgage Pfandbriefe

High percentage of long lasting client relationship minimises risk

Cover pool mortgages (nominal) per closing date 1Q2023 (in EUR m)



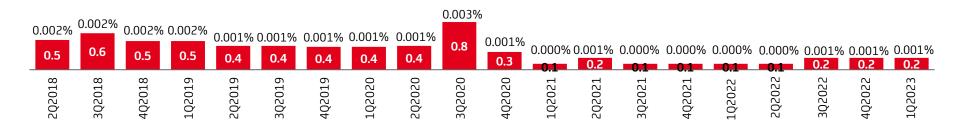
- Roughly 45% of HypoVereinsbank's cover pool mortgages date back to more than five years
- Reliable and predictable customer base due to long term client relationship

1 2 3 4 5 6 7

Excellent payment discipline: Arrear ratio¹ below 0.004% for years

Payments in Arrears – in EUR m and % share of the mortgage cover pool (arrear ratio)

1 2 3 4 5 6 7



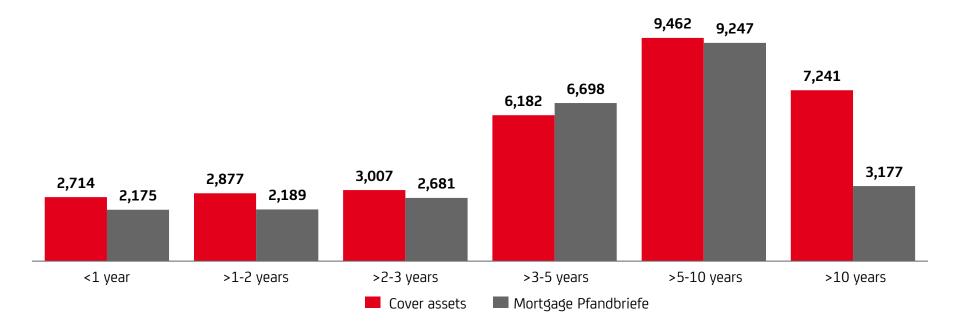
Total mortgage cover pool (in EUR m)



¹Payments more than 90 days overdue in relation to mortgage receivables

Well matching maturity profiles of mortgages and Pfandbrief issues

Maturity structure of outstanding mortgage Pfandbriefe versus related cover assets 1Q2023 (in EUR m)



1 2 3 4 5 6 7

Overview of benchmark issues since 2021

1 2 3 4 5 6 7

Pfandbrief Type	Initial Tenor and Interest Type	Issued Volume	Issue Date	Maturity	Spread
Mortgage Pfandbriefe	15Y. FXD Rate	EUR 0.50 bn	Jan 21	Jan 36	Midswap +3 bps
Mortgage Pfandbriefe	10Y. FXD Rate	EUR 0.75 bn	Mar 21	Mar 31	Midswap +1 bp
Mortgage Pfandbriefe	8Y. FXD Rate	EUR 0.5 bn	May 21	May 29	Midswap -1 bp
GREEN Mortgage Pfandbriefe	5Y. FXD Rate	EUR 0.5 bn	Sep 21	Sep 26	Midswap -2 bps
TAP Mortgage Pfandbrief	12Y. FXD Rate	EUR 0.25 bn	Nov 21	Jan 32	Midswap -1 bp
Mortgage Pfandbriefe	11Y. FXD Rate	EUR 1.00 bn	Jan 22	Jan 33	Midswap flat
Public Sector Pfandbrief	5Y. FXD Rate	EUR 1.00 bn	Feb 22	Feb 27	Midswap -1 bp
Mortgage Pfandbriefe	5Y. FXD Rate	EUR 0.5 bn	Jun 22	Jun 27	Midswap flat
GREEN Mortgage Pfandbriefe	5.5Y. FXD Rate	EUR 0.5 bn	Sep 22	Apr 28	Midswap flat
Mortgage Pfandbriefe	3.25Y. FXD Rate	EUR 0.75 bn	Nov 22	Feb 26	Midswap +2 bp
Mortgage Pfandbriefe	3.5Y. FXD Rate	EUR 1.00 bn	Jan 23	Jul 26	Midswap +3 bp
Public Sector Pfandbrief	2.5Y. FXD Rate	EUR 1.25 bn	Feb 23	Aug 25	Midswap -7 bp



Annex

· · ·

•

•

•

•

•

•

•

EU Taxonomy – eligibility criteria for climate change mitigation – residential assets in Germany

Economic activity	Screening criteria	Single-Family houses ¹	Multi-Family houses ²	
7.1 Construction of new buildings	Nearly Zero-Energy Building Primary energy demand ³ minus 10%	At least 10% lower than the requirements for the primary energy demand of the "Nearly Zero-Energy Building" standard (NZEB). Based on the "Energy Performance of Buildings Directive (EBPD)", the NZEB-standard is implemented in the GEG 2020 (Gebäudeenergiegesetz) requirements.		
7.2	Major Renovation Cost optimal level	The building renovation complies with the applicable requiremen Buildings Directive (EBPD), based on the cost optimal level as defi (EnEV 2016 as EnEV 2014 with amendments from 01.01.2016)	ined in EnEV 2016.	
Relative improvement ≥ 30% in primary of the building before		Relative improvement in primary energy demand ≥ 30% in corr of the building before the renovation. Reductions through renewable energy sources are not taken into		
	Energy Performance Certificate EPC at least class A	Energy performance class A+ or A Final energy demand⁴: A+ < 30 A < 50 kWh/(m²a)		
7.7 Acquisition and ownership of buildings	top 15% of the national existing building stock ⁵	Energy performance class A+, A or B with a final energy demand: A+ < 30 A < 50 kWh/(m ² a) B < 75 kWh/(m ² a) Primary energy demand: < 74 kWh/(m ² a) Primary energy demand: EnEV 2009 or better Final metered energy use ⁶ : < 70 kWh/(m ² a)	Energy performance class A+ or A with a final energy demand: A+ < 30 A < 50 kWh/(m²a)	

DREES &

SOMMER

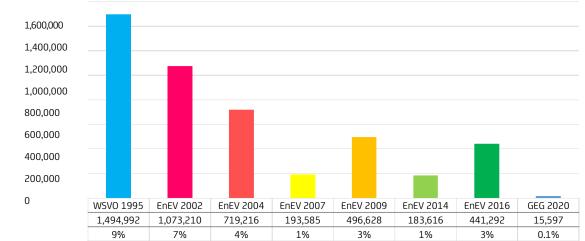
Vdp The German Pfandbrief Banks

1 2 3 4 5 6 7

Source: Drees & Sommer low carbon building criteria are based on EU Taxonomy (Delegated Act – July 2021). Criteria are valid for assets located in Germany. Status: December 2021 ¹SFH: Single-Family house with 1-2 units ²MFH: Multi-Family house with >2 units ³Primary energy demand = Primärenergiebedarf ⁴Final energy demand = Endenergiebedarf ⁵The EU Taxonomy Regulation focuses on primary energy demand in its eligibility criteria. In Germany, energy performance certificates (EPCs) can be issued based on calculated primary energy demand as well as metered primary energy consumption. In this study, therefore the top 15%- eligibility criteria are also indicated on metered consumption figures. ⁶Final metered energy use = gemessener Endenergieverbrauch

Drees & Sommer – EU Taxonomy: Acquisition and ownership - derivation of the top 15% of existing building stock in Germany - February 2022

Residential building stock – Single-Family house – Germany



Information and data is based on:

- Central Statistical Office in Germany "Statistisches Bundesamt" (Destatis 2021)
- Deutsche Energie-Agentur (dena, 2021)
- Census 2011 and microcensus 2014
- Co2online/wohngebaeude.info 2019

According to this database information, there are in Germany by the end of 2020

- \approx 16 million single family houses with
- \approx 19.2 million residential dwellings

Data from 1995–2020 are based on Destatis, previous 1995 is added from census 2011 and microcensus 2014.

Number of buildings, which have undergone an energy efficient retrofit, are not included.

Source: Drees & Sommer figure based on Statisches Bundesamt (DESTATIS 2021), DENA 2016, DENA 2021, co2online Drees & Sommer – EU Taxonomy: Acquisition and ownership – derivation of the top 15% of existing building stock in Germany – February 2022



DREES &

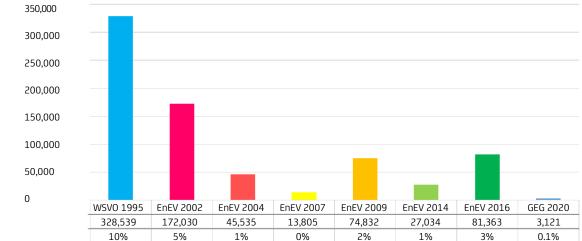
SOMMER

Vdp The German Pfandbrief Banks

1 2 3 4 5 6 7

Number Anzahl Wohngebäude of residential buildings

Residential building stock – Multi-Family house – Germany



Information and data is based on:

 Central Statistical Office in Germany "Statistisches Bundesamt" (Destatis 2021)

DREES &

SOMMER

Vdp The German Pfandbrief Banks

1 2 3 4 5 6 7

- Deutsche Energie-Agentur (dena, 2021)
- Census 2011 and microcensus 2014
- Co2online/wohngebaeude.info 2019

Based on this information, there are **in Germany by the end of 2020**

- \approx 3.3 million multi family houses with
- \approx 22.2 million residential dwellings

Data from 1995–2020 are based on Destatis, previous 1995 is added from census 2011 and microcensus 2014.

Number of buildings, which have undergone an energy efficient retrofit, are not included.

Source: Drees & Sommer figure based on Statisches Bundesamt (DESTATIS 2021), DENA 2016, DENA 2021, co2online Drees & Sommer – EU Taxonomy: Acquisition and ownership – derivation of the top 15% of existing building stock in Germany - February 2022

35

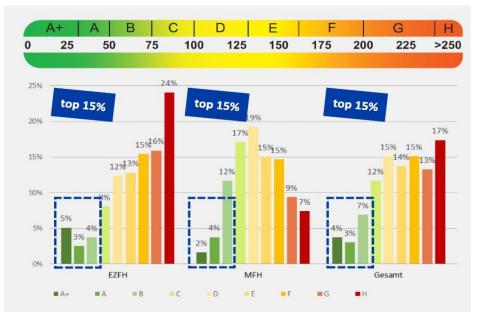
Residential building stock – Germany

1234567

Vdp The German Pfandbrief Banks DREES &

SOMMER

Energy Efficiency Rating in kWh/m² per year



Top 15%-criteria

Residential building is within the **top 15%** of its local market, if Energy efficiency class is:

Single-Family: **top 15%** within A+, A or B Multi-Family: **top 15%** within A+ or A

Evaluation: Based on the available data from end of 2019, it can be stated that the energy efficiency class B is within the **top 15%** of the local market for residential assets as the whole group. This threshold is subject to change.

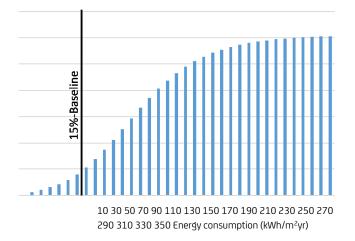
This study includes buildings with calculated energy performance certificates (81 thousand).

Source: Vorbereitende Untersuchungen zur Erarbeitung einer Langfristigen Renovierungsstrategie nach Art 2a der EU-Gebäuderichtlinie RL 2018/844 (EPBD), BMWI 2019



Low carbon trajectories – top 15% baseline – residential assets in Germany

Single-Family House Multi-Family House



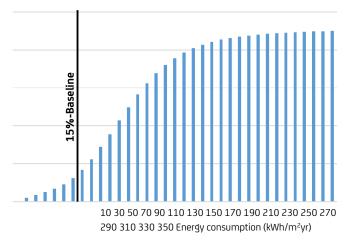
Top 15%-eligibility criteria:

Single-Family houses with a final metered energy use (consumption)

 $<70\,kWh/m^2a$ or less represent the top~15% of its local market.

(< 80 kWh/m²a = top 17%)

Database = 1,211,772 SFH+TFH assets, CO2 online / wohngebäude.info, Results of survey 2002...2019



Top 15%-eligibility criteria:

Multi Family-houses with a final metered energy use (consumption) < 70 kWh/m²a or less represent the top 15% of its local market. (< 80 kWh/m²a = top 19%) Database = 224,848 MFH assets, Co2 online / wohngebäude.info; Results of survey 2002...2019

Drees & Sommer – EU Taxonomy: Acquisition and ownership - derivation of the top 15% of existing building stock in Germany - February 2022



DREES &

SOMMER

Vdp The German Pfandbrief Banks

1 2 3 4 5 6 7

Residential building stock – Germany

Energy Performance Standard No. of residential building top 15% 0.1% WSV0 1995 EnEV 2002 EnEV 2009 EnEV 2014 0 EnEV 2016 GEG 2020 778,850 Buildings 1,823,531 2,009,991 210,650 522,655 18,718 10% 4% 1% 3% 0.1% Share 9%

Residential building is within the top 15% of its local market, if: Building energy efficiency code is EnEV 2009 or newer (compliance with primary energy demand requirements and building energy efficiency)

Vdp The German Pfandbrief Banks

1 2 3 4 5 6 7

DREES &

SOMMER

Drees & Sommer figure based on Statisches Bundesamt (DESTATIS 2021), DENA 2016, DENA 2021, co2online

Drees & Sommer – EU Taxonomy: Acquisition and ownership - derivation of the top 15% of existing building stock in Germany - February 2022



Contacts

- •
- •
- •
- •
- •

Contact Page

Corporate & Individual Solutions

Attilio Napoli Head of Medium Long Term Interest Rate Management Tel. +39 02 88620674 attilio.napoli@unicredit.eu

Group Investor Relations

Christian Kuhner Tel. +39 02 88622850 christianulrich.kuhner@unicredit.eu

Imprint

Corporate & Individuals Solutions UniCredit Bank AG Arabellastrasse 12 81925 Munich

CFO Finance

Claudio Volpi Head of Finance Tel. +49 89 378-13040 claudiovittorio.volpi2@unicredit.de

Publication of Cover Pool data according to § 28 Pfandbriefact:

https://www.hypovereinsbank.de/hvb/ueberuns/investor-relations-en/emissionscollateral/data-on-collateral-pool



Disclaimer

This publication is presented to you by: Corporate & Individual Solutions UniCredit Bank AG Arabellastr. 12 D-81925 Munich

The information in this publication is based on carefully selected sources believed to be reliable. However we do not make any representation as to its accuracy or completeness. Any opinions herein reflect our judgement at the date hereof and are subject to change without notice. Any investments presented in this report may be unsuitable for the investor depending on his or her specific investment objectives and financial position. Any reports provided for general information purposes only and cannot substitute the obtaining of independent financial advice. Private investors should obtain the advice of their banker/broker about any investments concerned prior to making them. Nothing in this publication is intended to create contractual obligations. Corporate & Investment Banking of UniCredit consists of UniCredit Bank AG, Munich, UniCredit S, p.A., Rome and other members of the UniCredit. UniCredit Croup and its subsidiaries are subject to regulation by the European Central Bank. In addition UniCredit Bank AG is regulated by the Federal Financial Supervisory Authority (BaFin), UniCredit Bank Austria AG is regulated by the Austria Financial Market Authority (FMA) and UniCredit S, p.A. is regulated by the Federal Financial Supervisory Authority (BaFin), UniCredit Bank Austria AG is regulated by the Austria Financial Market Authority (FMA) and UniCredit S, p.A. is regulated by the Second The Bank and the Commission Razionale per le Società e la Borsa (CONSOB).

Note to UK Residents:

In the United Kingdom, this publication is being communicated on a confidential basis only to clients of Corporate & Investment Banking of UniCredit (acting through UniCredit Bank AG, London Branch). The information is directed only to (i) professional clients or eligible counterparties as defined in the rules of the Financial Conduct Authority and is not intended for distribution to, or use by, retail clients or (ii) "investment professionals" falling within Article 19(5) of the Financial and Services Markets Act 2000 (Financial Promotions) Order 2005, as amended, and to persons to whom it may otherwise be lawful to communicate (all such persons in (i) and (ii) together being referred to as "Relevant Persons"). Any investment or activity to which the Information relates is available only to, and will be engaged in only with, Relevant Persons. Other persons should not rely or act upon the Information. UniCredit Bank AG London Branch, Moor House, 120 London Wall, London, EC2Y 5ET, is authorized by Bundesanstalt für Financial Conduct Authority and Prudential Regulation Authority. Details about the extent of our regulation by the Financial Conduct Authority and Prudential Regulation Authority. Details about the extent of our regulation by the Financial Conduct Authority and Prudential Regulation Authority.

Notwithstanding the above, if this publication relates to securities subject to the Prospectus Regulation (EU 2017/1129) it is sent to you on the basis that you are a qualified investor for the purposes of the Prospectus Regulation and it must not be given to any person who is not a qualified investor.

Note to US Residents:

The information provided herein or contained in any report provided herein is intended solely for institutional clients of Corporate & Investment Banking of UniCredit acting through UniCredit Bank AG, New York Branch and UniCredit Capital Markets LLC (together "UniCredit") in the United States, and may not be used or relied upon by any other person for any purpose. It does not constitute a solicitation to buy or an offer to sell any securities under the Securities Act of 1933, as amended, or under any other US federal or state securities laws, rules or regulations. Investments in securities discussed herein may be unsuitable for investors, depending on their specific investment objectives, risk tolerance and financial position.

In jurisdictions where UniCredit is not registered or licensed to trade in securities, commodities or other financial products, any transaction may be effected only in accordance with applicable laws and legislation, which may vary from jurisdiction to jurisdiction and may require that a transaction be made in accordance with applicable exemptions from registration or licensing requirements.

UniCredit may have issued other reports that are inconsistent with, and reach different conclusions from, the information presented in any report provided herein. Those reports reflect the different assumptions, views and analytical methods of the analysts who prepared them. Past performance should not be taken as an indication or guarantee of further performance, and no representation or warranty, express or rimplied, is made regarding future performance. The information contained in any report provided herein may include forward-looking statements within the meaning of US federal securities laws that are subject to risks and uncertainties. Factors that could cause a company's actual results and financial condition to differ from its expectations include, without limitation: Political uncertainty, changes in international and domestic financial markets, competitive environments and other factors relating to the foregoing. All forward-looking statements contained in this report are qualified in this report requalified in this report are qualified in this report areport.

This product is offered by UniCredit Bank AG who is solely responsible for the Product and its performance and/or effectiveness.

Corporate & Individual Solutions

UniCredit Bank AG as of 5 May, 2023