## Covered Bonds / Germany

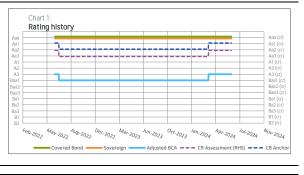
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Monitoring Client Service Desk	Monitor.CB@moodys.c London: +44 20 7772-5	com 5454, csdlondon@moodys.com	Click on the icon to download data into Excel & to see Glossary of terms used Click <u>here</u> to access the covered bond programme webpage on moodys.com
Reporting as of:	31/03/2024	All amounts in EUR (unless otherwise specified)	For information on how to read this report, see the latest Moody's Covered Bonds Sector Update

COVERED BONDS

Data as provided to Moody's Investors Service (note 1)

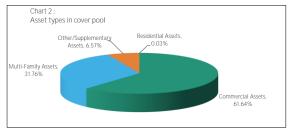
## I. Programme Overview

Year of initial rating assignment:	2006
Total outstanding liabilities:	EUR 18,234,385,694
Total assets in the Cover Pool:	EUR 19,090,007,847
Issuer name / CR Assessment:	Berlin Hyp AG / Aa2(cr)
Group or parent name / CR Assessment:	Landesbank Baden-Wuerttemberg / Aa2(cr)
Main collateral type:	Commercia
Ratings	
Patings	
Covered bonds rating:	Ааа
Covered bonds rating: Entity used in Moody's EL & TPI analysis:	Berlin Hyp AG
Covered bonds rating:	
Covered bonds rating: Entity used in Moody's EL & TPI analysis:	Berlin Hyp AG Aa1
Covered bonds rating: Entity used in Moody's EL & TPI analysis: CB anchor:	Berlin Hyp AG



Collateral quality		
Collateral Score:	15.8%	
Collateral Score excl. systemic risk:	n/a	
Cover Pool losses		
Collateral Risk (Collateral Score post-haircut):	10.6%	51%
Market Risk:	10.1%	49%
	20.6%	1009

(notes 2 & 3)



### III. Over-Collateralisation Levels

Over-Collateralisation (OC) figures presented below include Eligible only collateral

Over-Collateralisation levels are provided on any of the following: nominal basis or unstressed NPV basis or on stressed NPV basis. NPV stress assumptions applied as required by the legal framework for German Pfandbriefe.

Committed OC (Stressed NPV):	2.0%
Current OC (Unstressed NPV):	7.7%
OC consistent with current rating (note 4)	0.0%
Besides 2% committed OC on NPV basis, in accordance with German Pfandbrief hold additional 2% OC calculated on nominal basis.	Act, the issuer is also required to

IV. Timely Payment Indicator & TPI Leeway

Timely Payment Indicator (TPI):		High
TPI Leeway:		6
Extract from TPI table		
CB Anchor	High	
Aaa	Aaa	
Aa1	Aaa	
Aa2	Aaa	
Aa3	Aaa	
A1	Aaa	
A2	Aaa	
A3	Aaa	
Baa1	Aaa	
Baa2	Aa1	

#### Sensitivity scenario CB anchor

	OC consistent with current rating		
Scenario 1: CB anchor is lowered by	1 notch	1.5%	

#### Legal framework

Does a specific covered bond law apply for this programme:	Yes
Main country in which collateral is based:	Germany
Country in which issuer is based:	Germany

#### Timely principal payments

Maturity type:	Soft Bullet
Committed liquidity reserve for principal amount of all hard bullet bonds to be	
funded at least 180 days before maturity:	n/a
Committed liquidity reserve for principal amount of all soft bullet bonds to be	
funded at least 180 days before initial maturity:	Yes

(note 1) The data reported in this PO is based on information provided by the issuer and may include certain assumptions made by Moody's. Moody's accepts no responsibility for the information provided to it and, whilst it believes the assumptions it has made are reasonable, cannot

(note i) the data reported in this PO is based on information provided by the issuer and may include certain assumptions made by Moody's Accepts to responsibility for the information provided to it and, whils it believes the assumptions it has made are reasonable, cannot guarantee that they are ownil remain accurate. Although Moody's necessary second are reasonable, cannot available on request. Credit ratings, TPI and TPI Leeway shown in this PO are as of publication data. (note 2) This assumes the Covered Bonds rating is not constrained by the TPI Also to the extent rating assumptions change following a downgrade or an upgrade of the Issuer, the necessary OC stated here may also change. This is especially significant in the case of CR assessments of A3(cr) or Baa1(cr), as the necessary OC following a 1 notch downgrade may then be substantially higher than the amount suggested here as market risks are considered more critically by Moody's at this time. In any event, the necessary OC calculated to be consistent with the current rating under Moody's expected loss model. However, the level of OC consistent with a given rating level may differ from this amount where ratings are capped under the TPI framework and, for example, where committee determines under from this amount where ratings are capped under the TPI framework and, for example, where

(note s) must be entitiated by the consistent with the current rating inter involves and out cannot be early be even of the consistent with a greatering of the consistent with the current rating is the minimum level of over-collatering of the consistent with the current rating is the minimum level of over-collatering of the consistent with the current rating is the minimum level of over-collatering of the constraint of the first and the actual of the constraint of the first and the actual of the constraint of the actual of the actual

## V. Asset Liability Profile

100.0% 90.0% 80.0% 70.0% 60.0%

50.0%

40.0% 30.0%

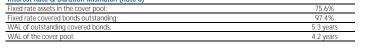
20.0% 10.0%

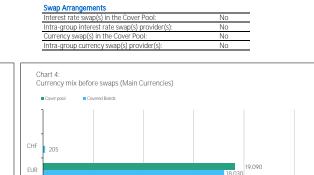
0.0%

Mismatch in % of the total liabilities

#### Interest Rate & Duration Mismatch (note 5)

Chart 3 : Stressed refinancing needs per quarter (% of liabilities)





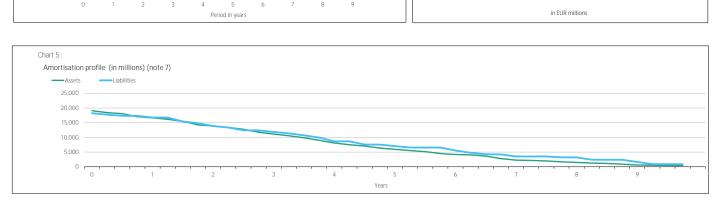
10.000

15.000

20.000

25.000

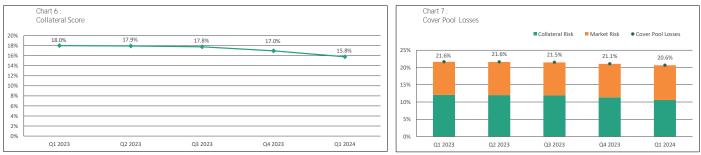
5,000

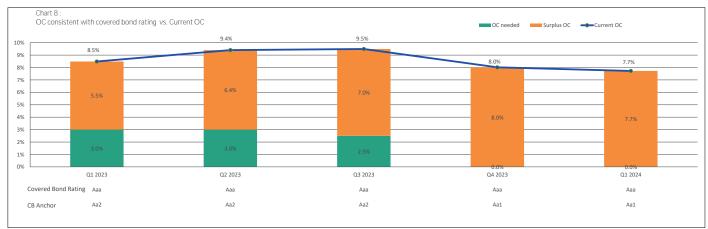


(note 6)

Maximum mismatch: 0.0%

#### VI. Performance Evolution





This publication does not announce a credit rating action. For any credit ratings In space of the subscription of the subscripti

(note 5) This assumes no prepayment. (note 5) Based on principal flows only. Assumptions include no prepayments, principal collections limited to the portion of assets that make up the amount of the liabilities plus committed OC, no further CB issuance and no further assets added to the cover pool. (note 7) Assumptions include ways in place in Cover Pool, no prepayment and no further CB issuance. Berlin Hyp AG - Mortgage Covered Bonds

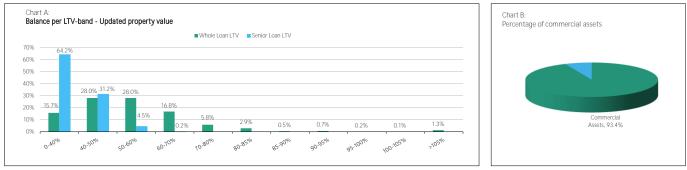
#### VII. Cover Pool Information - Commercial Assets

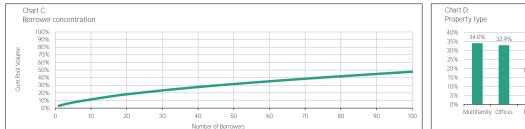
Overvlew	
Asset type:	Commercial
Asset balance:	17,829,187,521
Average loan balance:	14,698,423
Number of loans:	1,213
Number of borrowers:	697
Largest 10 borrowers:	11.3%
Number of properties:	4,775
Main countries:	Germany (66.4%), Netherlands (18.1%), France (7.9%)
	A state to a
Specific Loan and Borrower charac	
Bullet loans:	59.0%

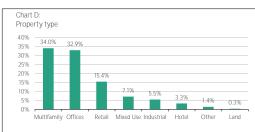
	JR (100%)
Fixed rate loans:	75.6%
Non-recourse to sponsor/initiator:	58.7%

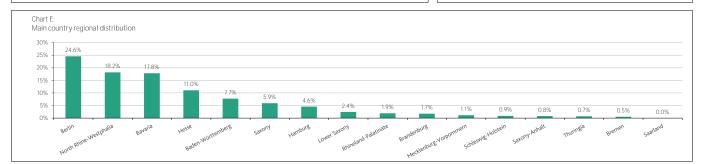
# Details on Loan Underwriting

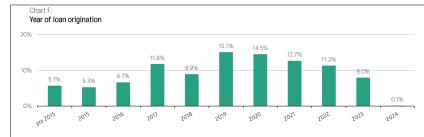
WA DSCR:	n/a
WA loan seasoning (in months):	57
WA remaining term (in months):	52
Details on LTV	
WA LTV(*):	n/d
WA Current LTV(**):	53.9%
Valuation type:	Market Value
LTV Threshold:	60.0%
Performance	
Loans in arrears ≥ 2 months:	0.2%
Loans in a foreclosure procedure:	0.1%

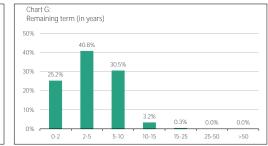


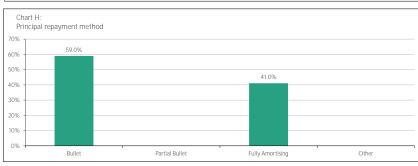


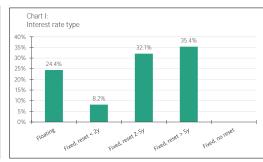












(note \*) Based on whole loan and property value at origination. (note \*\*) Based on whole loan and updated property value.

Berlin Hyp AG - Mortgage Covered Bonds

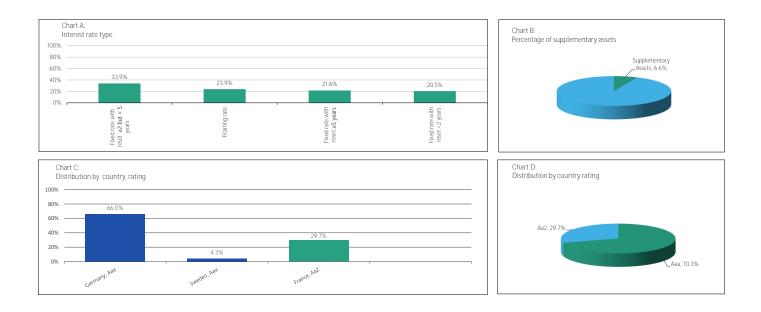
## MOODY'S INVESTORS SERVICE

COVERED BONDS

# VIII. Cover Pool Information - Supplementary Assets

Overview	
Asset type:	Supplementary Assets
Asset balance:	1,255,000,000
WA remaining Term (in months):	42
Number of assets:	38
Number of borrowers:	22
Average assets size:	33,026,316
Average exposure to borrowers:	57.045.455

Repo eligible assets:	n/d
Percentage of fixed rate assets:	76.1%
Percentage of bullet assets:	96.0%
Assets in non-domestic currency:	0.0%
rformance	
Assets in arrears ( ≥ 2months - < 6months):	0.0%
Assets in arrears ( ≥ 6months - < 12months):	0.0%
Assets in arrears ( > 12months):	0.0%
Assets in a enforcement procedure:	0.0%



## IX. Liabilities Information: Last 50 Issuances

ISIN	Serles Number	Currency	Outstanding Amount	Issuance Date	Expected Maturity	Extended Maturity	Interest Rate Type	Coupon	Principal Payment
DE000BHY0GZ4	n/d	EUR	450.000.000	04/03/2024	04/03/2026	04/03/2027	Floating rate	EURIBOR 3M + 17 bps	Soft Bullet
701063200	n/d	EUR	5.000.000	26/02/2024	26/02/2036	26/02/2037	Fixed rate	3.080%	Soft Bullet
DE000BHY0GY7	n/d	EUR	500.000.000	07/02/2024	07/05/2027	07/05/2028	Fixed rate	2.750%	Soft Bullet
DE000BHY0SC8	n/d	EUR	500,000,000	23/08/2023	23/08/2028	23/08/2029	Fixed rate	3.375%	Soft Bullet
DE000BHY0J08	n/d	EUR	250.000.000	31/07/2023	30/09/2024	30/09/2025	Fixed rate	3.825%	Soft Bullet
DE000BHY0GT7	n/d	EUR	750.000.000	24/05/2023	24/05/2030	24/05/2031	Fixed rate	2.875%	Soft Bullet
701063100	n/d	EUR	10,000,000	29/03/2023	29/03/2038	29/03/2039	Fixed rate	3.760%	Soft Bullet
DE000BHY0JY1	n/d	EUR	750.000.000	07/03/2023	07/03/2028	07/03/2029	Fixed rate	3.375%	Soft Bullet
701063000	n/d	FUR	7,500,000	16/02/2023	16/02/2026	16/02/2027	Fixed rate	3.050%	Soft Bullet
701062900	n/d	EUR	100.000.000	27/01/2023	27/01/2054	27/01/2055	Fixed rate	3.720%	Soft Bullet
DE000BHY0GQ3	n/d	EUR	15.000.000	19/01/2023	19/01/2038	19/01/2039	Fixed rate	3.475%	Soft Bullet
701062800	n/d	EUR	100.000.000	16/01/2023	16/01/2054	16/01/2055	Fixed rate	3.655%	Soft Bullet
DE000BHY0GM2	n/d	EUR	750.000.000	10/01/2023	10/01/2033	10/01/2034	Fixed rate	3.000%	Soft Bullet
DE000BHY0SP0	n/d	EUR	500.000.000	10/01/2023	11/05/2026	11/05/2027	Fixed rate	3.000%	Soft Bullet
DE000BHY0JX3	n/d	EUR	10.000.000	11/11/2022	11/11/2025	11/11/2026	Fixed rate	2.920%	Soft Bulle
DE000BHY0JW5	n/d	EUR	750.000.000	25/10/2022	25/10/2027	25/10/2028	Fixed rate	3.000%	Soft Bulle
701062700	n/d	EUR	10.000.000	20/10/2022	20/10/2042	20/10/2043	Fixed rate	3.776%	Soft Bulle
701062600	n/d	EUR	25.000.000	06/10/2022	06/10/2039	06/10/2040	Fixed rate	4.125%	Soft Bulle
701062500	n/d	EUR	11.000.000	29/09/2022	29/09/2025	29/09/2026	Fixed rate	3.016%	Soft Bulle
DE000BHY0JU9	n/d	EUR	300.000.000	01/09/2022	01/09/2025	01/09/2026	Fixed rate	1.875%	Soft Bulle
DE000BHY0GK6	n/d	EUR	1.000.000.000	25/08/2022	25/08/2025	25/08/2026	Fixed rate	1.250%	Soft Bulle
701062400	n/d	EUR	5.000.000	18/08/2022	18/08/2042	18/08/2043	Fixed rate	2.570%	Soft Bulle
CH1202242249	n/d	CHE	200.000.000	04/08/2022	04/08/2026	04/08/2027	Fixed rate	0.968%	Soft Bulle
DE000BHY0JS3	n/d	EUR	10.000.000	25/07/2022	25/07/2025	25/07/2026	Fixed rate	1.150%	Soft Bulle
701062300	n/d	EUR	5,000,000	14/07/2022	14/07/2032	14/07/2033	Fixed rate	2.070%	Soft Bulle
701062200	n/d	EUR	10,000,000	30/05/2022	30/05/2062	30/05/2063	Fixed rate	2.610%	Soft Bulle
DEOOOBHYOSBO	n/d	EUR	750,000,000	10/05/2022	10/05/2032	10/05/2033	Fixed rate	1.750%	Soft Bulle
701062100	n/d	EUR	5,000,000	06/05/2022	06/05/2039	06/05/2040	Fixed rate	2.090%	Soft Bulle
701062000	n/d	EUR	9,500,000	22/04/2022	22/04/2032	22/04/2033	Fixed rate	1.550%	Soft Bulle
701061800	n/d	EUR	5,000,000	06/04/2022	08/04/2030	08/04/2031	Fixed rate	1.180%	Soft Bulle
701061900	n/d	EUR	5,000,000	06/04/2022	06/04/2032	06/04/2033	Fixed rate	1.116%	Soft Bulle
DE000BHY0JJ2	n/d	EUR	20,000,000	04/04/2022	04/04/2025	04/04/2026	Fixed rate	0.750%	Soft Bulle
701061700	n/d	EUR	8,000,000	24/03/2022	24/03/2025	24/03/2026	Fixed rate	0.320%	Soft Bulle
701061600	n/d	EUR	15,000,000	08/03/2022	08/03/2032	08/03/2033	Fixed rate	0.704%	Soft Bulle
DE000BHY0JD5	n/d	EUR	500,000,000	24/02/2022	23/02/2029	23/02/2030	Fixed rate	0.625%	Soft Bulle
DE000BHY0JC7	n/d	EUR	25,000,000	17/02/2022	17/02/2025	17/02/2026	Fixed rate	0.290%	Soft Bulle
701061500	n/d	EUR	5,000,000	16/02/2022	16/02/2032	16/02/2033	Fixed rate	0.690%	Soft Bulle
701061400	n/d	EUR	10,000,000	31/01/2022	31/01/2062	31/01/2063	Fixed rate	1.475%	Soft Bulle
701061300	n/d	EUR	5,000,000	27/01/2022	26/01/2029	26/01/2030	Fixed rate	0.180%	Soft Bulle
DE000BHY0JB9	n/d	EUR	20,000,000	19/01/2022	19/01/2032	19/01/2033	Fixed rate	0.335%	Soft Bulle
701061200	n/d	EUR	5,000,000	12/01/2022	12/01/2029	12/01/2030	Fixed rate	0.150%	Soft Bulle
DE000BHY0H34	n/d	EUR	1,000,000,000	18/10/2021	18/01/2030	18/01/2031	Fixed rate	0.125%	Soft Bulle
701061100	n/d	EUR	10,000,000	30/09/2021	30/09/2061	30/09/2062	Fixed rate	1.200%	Soft Bulle
701061000	n/d	EUR	10,000,000	23/09/2021	23/09/2032	23/09/2033	Fixed rate	0.112%	Soft Bulle
DE000BHY0HZ2	n/d	EUR	750,000,000	24/08/2021	24/08/2026	24/08/2027	Fixed rate	0.010%	Soft Bullet
701060900	n/d	EUR	9,000,000	19/07/2021	19/07/2051	19/07/2052	Fixed rate	0.931%	Soft Bulle
701060800	n/d	EUR	5,000,000	24/06/2021	24/06/2033	24/06/2034	Fixed rate	0.190%	Soft Bulle
DE000BHY0HW9	n/d	EUR	750,000,000	19/05/2021	19/05/2033	19/05/2034	Fixed rate	0.250%	Soft Bulle
701060700	n/d	EUR	25,000,000	08/04/2021	08/04/2047	08/04/2048	Fixed rate	1.033%	Soft Bullet
DE000BHY0GE9	n/d	EUR	500.000.000	24/03/2021	24/01/2028	24/01/2029	Fixed rate	0.010%	Soft Bullet

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