BNP Paribas Home Loan SFH Mortgage Covered Bond <u>Program</u>

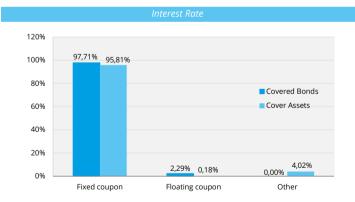
Creditreform C Rating

Rating Object			
Country Issuer	France	Repayment method	Hard & Soft Bullet
Cover pool asset class	Mortgage		Min (5,00%)
Legal framework	SFH legislation	Overcollateralization	Current (18,89%)
Nominal value	EUR 30.540,88 m.		Committed (8,11%)
Cover pool value	EUR 36.310,98 m.		Fix (97,71%)
WAL maturity covered bonds	5,40 (Years)	Covered bonds coupon type	Floating (2,29%)
WAL maturity cover pool	7,53 (Years)		Other (0,00%)
Cut-off date Covered Pool Information:	30.06.2020		

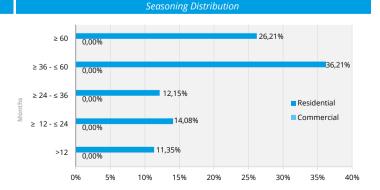
Rating Overview			
Rating Summary		Credit Risk Metrics	
Issuer	BNP Paribas Home Loan SFH	Metrics date	30.07.2020
LT Issuer Rating	A-	Rating Case Default Rate	36,55%
ST Issuer Rating	L2	Rating Case Recovery Rate	65,61%
+Legal and regulatory framework analysis	+4 Notches	Expected Loss	12,57%
+Liquidity and refinancing risk	+1 Notch	Rating Case Breakeven OC	22,59%
= Rating after 1st uplift	AA+	Program Key Counterparties	
Cover Pool & cash flow analysis	AAA	Servicer	BNP Paribas SA
+ 2nd rating uplift	+1 Notch	Account Bank	BNP Paribas SA
Rating covered bond program / Outlook	AAA "Watch Negative"	Sponsor	NA

Cover Assets Composition			
General Information		Property Type	
Cover Pool Balance	EUR 36.310,98 m.	Residential	EUR 35.095,98 m.
Average Seasoning	48,96 Months	Commercial	EUR 0,00 m.
Total number of exposures	311.599	Other	EUR 0,00 m.
Distribution by type of asset		Distribution by Loan size	
Mortgages	EUR 35.095,98 m.	Number of Commercial Loans	0
Public Sector	EUR 0,00 m.	Number of Residential Loans	311.599
Shipping	EUR 0,00 m.	Average Size Commercial Loans (000s)	NA
Substitute Assets	EUR 1.215,00 m.	Average Size Residential Loans (000s)	113
Other	EUR 0,00 m.		









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Unindexed LTV Distribution Commercial Loans		Unindexed LTV Distribution Residential Loans			
LTV	Nominal	% Loans	LTV	Nominal	% Loans
>0 - <=40 %	NA	NA	>0 - <=40 %	6.651,27	18,95%
>40 - <=50 %	NA	NA	>40 - <=50 %	3.391,40	9,66%
>50 - <=60 %	NA	NA	>50 - <=60 %	3.872,73	11,03%
>60 - <=70 %	NA	NA	>60 - <=70 %	4.298,84	12,25%
>70 - <=80 %	NA	NA	>70 - <=80 %	4.675,06	13,32%
>80 - <=90 %	NA	NA	>80 - <=90 %	5.710,02	16,27%
>90 - <=100 %	NA	NA	>90 - <=100 %	6.496,66	18,51%
>100%	NA	NA	>100%	0,00	0,00%

Currency Distribution			Loan Distribution by Regions (as % of total Mortgages)		
Currency	Covered Bonds	Cover Assets	Region	% Residential Loans	% Commercial Loans
EUR	30.540,88 m.	35.095,98 m.	Alsace	1,34%	NA
AUD	0,00 m.	0,00 m.	Aquitaine	5,41%	NA
BRL	0,00 m.	0,00 m.	Auvergne	0,72%	NA
CAD	0,00 m.	0,00 m.	Basse Normandie	1,06%	NA
CHF	0,00 m.	0,00 m.	Bourgogne	0,96%	NA
ZZK	0,00 m.	0,00 m.	Bretagne	2,91%	NA
DKK	0,00 m.	0,00 m.	Centre	1,93%	NA
GBP	0,00 m.	0,00 m.	Champagne Ardennes	0,78%	NA
HKD	0,00 m.	0,00 m.	Corse	0,48%	NA
PY	0,00 m.	0,00 m.	DOM - TOM	0,40%	NA
(RW	0,00 m.	0,00 m.	Franche-Comté	0,68%	NA
NOK	0,00 m.	0,00 m.	Haute Normandie	2,62%	NA
PLN	0,00 m.	0,00 m.	lle-de-France (Paris included)	40,91%	NA
EK	0,00 m.	0,00 m.	Languedoc-Roussillon	3,45%	NA
GGD	0,00 m.	0,00 m.	Limousin	0,29%	NA
JSD	0,00 m.	0,00 m.	Lorraine	1,62%	NA
Other	0,00 m.	0,00 m.	Midi-Pyrénées	5,05%	NA
			Nord-Pas-de-Calais	4,38%	NA
			Pays de la Loire	4,28%	NA
			Picardie	2,53%	NA
			Poitou-Charentes	1,28%	NA
			Provence-Alpes-Côte- d'Azur	8,83%	NA
			Rhône-Alpes	8,06%	NA

Swap Counterparties				
Name	Type of arrangement	LEI		
BNP Paribas SA	FX	R0MUWSFPU8MPRO8K5P83		
Swap Agreements				
Interest Rate Swap		NA		
Currency Swap		Intra-group		

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ISIN Lists Coupon Rate (%) Maturity date ISIN Issue date BNP Paribas Home Loan SFH FR0012843324 Fix 0,82 08.07.2015 08.07.2022 BNP Paribas Home Loan SFH Fix 0,07 FR0013469368 16.12.2019 16.12.2028 27.10.2023 BNP Paribas Home Loan SFH FR0011137611 Fix 3,75 27.10.2011 **BNP Paribas Home Loan SFH** FR0013508231 Fix 0,35 16.04.2020 16.04.2029 BNP Paribas Home Loan SFH FR0011075167 Fix 3,88 12.07.2011 12.07.2021 BNP Paribas Home Loan SFH FR0013184280 22.06.2016 22.05.2024 Fix 0,23 **BNP Paribas Home Loan SFH** FR0013140142 Fix 1,59 29.03.2016 29.03.2036 BNP Paribas Home Loan SFH 11.10.2018 11.05.2026 FR0013371531 Fix 0,73 BNP Paribas Home Loan SFH FR0013234200 Fix 0,80 27.01.2017 27.01.2027 BNP Paribas Home Loan SFH 22.12.2015 22.12.2023 FR0013078748 Fix 0,67 BNP Paribas Home Loan SFH FR0012735249 Fix 1,51 26.05.2015 26.05.2035 **BNP Paribas Home Loan SFH** FR0012300754 Fix 0,88 14.11.2014 14.11.2024 BNP Paribas Home Loan SFH FR0013106622 Fix 0,25 02.02.2016 02.09.2021 BNP Paribas Home Loan SFH 07.05.2015 07.05.2025 FR0012716371 Fix 0,38 BNP Paribas Home Loan SFH FR0010988873 11.01.2011 11.01.2021 Fix 3,75 **BNP Paribas Home Loan SFH** FR0012383883 Fix 0,74 19.12.2014 20.02.2023 BNP Paribas Home Loan SFH FR0011223205 22.03.2012 22.03.2022 Fix 3,13 **BNP Paribas Home Loan SFH** FR0013508033 20.04.2028 Fix 0,29 20.04.2020 BNP Paribas Home Loan SFH FR0013420957 Fix 0,09 22.05.2019 22.05.2025 BNP Paribas Home Loan SFH FR0013078755 Fix 0,95 22.12.2015 22.12.2025 BNP Paribas Home Loan SFH FR0013371499 11.10.2018 11.07.2027 Fix 0,89 BNP Paribas Home Loan SFH FR0013234192 Fix 0,34 27.01.2017 15.02.2023 BNP Paribas Home Loan SFH FR0013518644 Fix 0,00 17.06.2020 17.03.2029 BNP Paribas Home Loan SFH FR0013238797 Fix 0,38 22.02.2017 22.07.2024 BNP Paribas Home Loan SFH FR0011164862 0,00 14.12.2011 14.12.2020 Floating

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Data Definitions

The data is presented with a cut-off date. Following the clarification regarding the source of information: Issuer: Issuer source of information are all available public information, i.e. Investor Reports, Harmonised Transparency Templates "HTT", National Transparency Templates "NTT", Prospectus etc. Not reported or non available information will be labeled as "NA".

Field Name	Source	Definition
Cover pool asset class	Issuer	The asset type in the cover pool (public sector assets or mortgage assets)
Legal framework	CRA	The set of legislative and regulatory rules of the respective jurisdiction that regulates the covered bonds (CB) program
Nominal value	Issuer	The total amount of outstanding covered bonds as of cut-off date expressed in millions
Cover pool value	Issuer	Aggregate value of all assets in the cover pool as of cut-off date expressed in millions
WAL maturity covered bonds	Issuer	The weighted average remaining maturity of all outstading covered bonds in years
WAL maturity cover pool	Issuer	The weighted average remaining maturity of all outstading covered assets in years
		Hard Bullet: Covered bonds are repaid on the maturiry date which cannot be extended
Repayment method	Issuer	Soft Bullet: The maturity date of the covered bonds can be extended by a fixed period Conditional pass-through (CPT): Covered bonds with a scheduled maturity date, and an extension mechanism defined by certain conditions
Overcollateralization	Issuer	Current OC: The proportion of covel assets that exceeds the proportion of currrently outstanding covered bonds, calculated as ([Cover pool value]/[outstanding covered bonds]-1)*100 Min OC: The OC level that the issuer must maintain according to the respective CB legislation
		Committed OC: The minimum OC level that the issuer has committed to maintain
Covered bonds coupon type	Issuer	Type of interest rate paid on covered bonds, expressed as a percentage of bond's face value
LT Issuer Rating	CRA	Long-term ratings assess the default risks for each category of a bank's financial instruments with a residual term-to-maturity of more than one year
ST Issuer Rating	CRA	Short-term ratings assess the default risks for each category of a bank's financial instruments with a residual term-to-maturity of less than one year
Legal and regulatory framework analysis	CRA	A qualitative assessement of legislative and regulatory rules of the covered bonds program
Liquidity and refinancing risk	CRA	A qualitative assessement of regulatory requirements for liquidity and refinancing risk of the covered bonds program
First rating uplift	CRA	The rating after adding up the notches from Legal and regulatory framework analysis and Liquidity and refinancing risk with LT Issuer rating
Cover pool and cash flow analysis	CRA	The quantitative assessment of the cover assets and covered bonds at different rating-level stressed scenario
Second rating upflift	CRA	The rating after adding up the notches from cash-flow analysis with 1st rating uplift (only effective if the rating from cash-flow analysis is higher than the 1st rating uplift)
Metrics date	CRA	The date on which CRA assigned the initial / follow-up rating of the covered bond program
Rating Case Default Rate (RDR)	CRA	Stressed default rate of the cover assets represented by the base case stressed scenario
Rating Case Recovery Rate (RRR)	CRA	Stressed recovery rate of the defaulted assets represented by the base case stressed scenario
Expected Loss	CRA	Stressed loss rate of the cover assets represented by the base case stressed scenario. The expected loss rate has been calculated as [RDR*(1-RRR)] [%]
Rating Case Breakeven OC	CRA	The required stressed OC level compatible with the base case rating
Average Seasoning	Issuer	Average length of the loans from the origination date to the cut-off date in months
Loan Size	Issuer	Average size of the loans (i.e. Total value of cover assets / Number of loans)
LTV	Issuer	The loan-to-value (LTV) is the ratio of a loan to the value of the property securing the loan
LEI	CRA	Legal Entity Identifier (LEI) enables unique identification of legal entities in financial transactions
Arrears Distribution	Issuer	The distrbution of arrears of the cover assets with respect to each asset class
Seasoning Distribution	Issuer	The distrbution of seasoning of the cover assets with respect to each asset class
Asset liability Profile	CRA	The maturity structure of the cover assets and liabilities
% Residential Loans	Issuer	Outstanding value of loans that are secured by the residential property expressed as % of total outstadning loans in the cover pool
% Commercial Loans	Issuer	Outstanding value of loans that are secured by the commercial property expressed as % of total outstadning loans in the cover pool
Fixed Coupon	Issuer	All assets and liabilities in the covered bond program that yield a fixed interest rate
Floating Coupon	Issuer	All assets and liabilities in the covered bond program that have variable interest rates
EIEURxM	Reuters	Euro x Month EURIBOR
EURSWExY	Reuters	Euro x Year Interest Rate Swap Fixing

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