



### Sophisticated, Customized Analysis

Investors and analysts require access to the best of various information sources to deliver sophisticated CMBS and commercial real estate analysis. Trepp, the acknowledged industry leader in CMBS and commercial real estate information, provides a robust Data Feed solution that includes hundreds of data points for over 1,200 CMBS deals backed by more than 100,000 CMBS loans. With an extensive loan library that stretches back more than a decade, Trepp offers a

single source of high quality, easy to use data for powerful reporting on the deal, bond, loan, and property levels. Known for the highest level of coverage and accuracy, Trepp aggregates data from prospectuses, servicers, special servicers, and trustees, and delivers to the client daily via FTP.

Trepp also enhances the data by normalizing property types, originators, and credit variables, and by generating value-added derived calculations. The Data Feed contains all of the fields in the CREFC's IRP and E-IRP.

### Client Use Cases

Adapting to a variety of internal business needs, Data Feed users are able to increase their market intelligence as well as their operational and cost efficiency by embedding the data into proprietary databases or by using it to run risk management functions.

Create Benchmark Calibrate Validate	Loan loss forecast models
	Scorecards
	Loss severity, loss given default (LGD) and probability of default
	Sell-side research
	Investor surveillance initiatives

### Flexible, Targeted Options

Whether a client requires a full, historical data set or an unbundled snapshot of a key segment, Trepp can provide the solution that best meets the client's need. See a summary of our complete data set on the back side of the page.

### DEAL

#### Bond Statistics

AAA Credit Enhancement  
ASER  
Cumulative Bond Loss  
Current Balance  
Original Balance

#### Deal Specs

Closing Date  
Current Asset Count  
Deal Type  
Lead Underwriter  
Master Servicer

Original Asset Count  
Special Servicer  
Trustee

#### Collateral Statistics

Delinquency SS Stratification  
Fixed vs. Floating Stratification  
Performing Specially Serviced  
Property Type Stratification  
Regional Stratification

WA Coupon  
WA DSCR  
WA DSCR (NCF)  
WA LTV  
WA Maturity

} Original &  
Current

WA Months to Last Lockout  
WA Months to Last Penalty  
WA Months to Last Yield  
Maintenance

### BOND

Coupon  
Coupon Description  
Credit Thickness  
Current Balance  
Current Credit Enhancement  
Current Ratings  
CUSIP

Defeasance Adjusted CE  
Index  
Interest  
Interest Shortfall  
Losses  
Original Balance  
Original Credit Enhancement

Original Ratings  
Penalty  
Principal  
Reporting Period  
Tranche Name

### LOAN

#### Demographic Information

Address  
MSA  
Property Name  
Property Type  
Rentable Area  
Units  
Year Built

#### Financial Performance

DSCR  
Expenses  
Lessee Information  
NCF  
NOI  
Occupancy  
Revenues

#### Loan Terms

Amortization Term  
Loan Rate  
LTV  
Maturity Date  
Original Loan Balance  
Original Term  
Origination Date

#### Loan Performance

Appraisal Date  
Appraisal Reduction Amount  
Appraised Value  
ASER  
Bankruptcy Date  
Debt Service  
Defeasance Status

Deferred Interest  
Delinquency Status  
Foreclosure Date  
Modification Payment  
Modification Rate  
Modification Code  
Modification Date

Outstanding Balance  
P&I Advances  
Paid Through Date  
REO Date  
Scheduled Interest  
Principal Payments  
SS Status and Workout  
Codes

#### Resolution

Disposed Balance  
Disposition Type

Liquidation Proceeds  
Liquidation Expenses

Disposition Date  
Prepayment Status

### About Trepp, LLC

Trepp, founded in 1979, is the leading provider of information, analytics and technology to the CMBS, commercial real estate and banking markets. Trepp provides primary and secondary market participants with the web-based tools and insight they need to increase their operational efficiencies, information transparency and investment performance. From its offices in New York, San Francisco and London, Trepp serves its clients with products and services to support trading, research, risk management, surveillance and portfolio management. Trepp is wholly-owned by DMG Information, the information publishing division of the Daily Mail and General Trust (DMGT).

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