

Structured Product Details

Name Ro	Reverse Convertible Notes linked to Home Depot, Inc.	
Issue Size	\$736,000	
Issue Price	\$1,000	
Term	12 Months	
Annualized Cou	8.00%	
Pricing Date	April 25, 2007	
Issue Date	April 30, 2007	
Valuation Date	April 25, 2008	
Maturity Date	April 30, 2008	
Issuer	Royal Bank of Canada	
CDS Rate	13.86 bps	
Swap Rate	5.17%	
Reference Asset	Home Depot, Inc.'s stock	
Initial Level Trigger Price Conversion Pr Dividend Rate Implied Volat Delta ¹	e 1.88%	
Fair Price at Issu	ae \$969.95	
Realized Return	-17.10%	
CUSIP SEC Link	78008EGL5 www.sec.gov/Archives/edgar/ data/1000275/000121465907000921/ f42771424b2.txt	

Structured Products Research Report

Report Prepared On: 12/12/12

Reverse Convertible Notes linked to Home Depot, Inc.

Description

Royal Bank of Canada issued \$736,000 of Reverse Convertible Notes linked to Home Depot, Inc. on April 30, 2007 at \$1,000 per note.

These notes are Royal Bank of Canada-branded reverse convertibles. Reverse convertibles pay periodic interest coupons and at maturity convert into shares of the reference security if the price of the reference stock at the notes' maturity is below its price when the notes were issued and had closed below a specified "trigger" during the term of the notes.

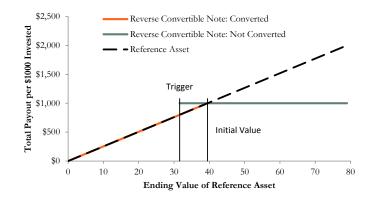
These 12-month notes pay monthly coupons at an annualized rate of 8.00%. In addition to the quarterly coupons, at maturity on April 30, 2008 investors will receive the market value of 25.32 shares of Home Depot, Inc.'s stock if on April 25, 2008 Home Depot, Inc.'s stock price closes below \$39.50 (Home Depot, Inc.'s stock price on April 25, 2007) and had ever closed at or below \$31.60 during the term of the notes. Otherwise, investors will receive the \$1,000 face value per note.

Valuation

This Royal Bank of Canada reverse convertible linked to Home Depot, Inc.'s stock can be valued as a combination of a note from Royal Bank of Canada and a short down-and-in, at-the-money put option on Home Depot, Inc.'s stock. For reasonable valuation inputs this note was worth \$969.95 per \$1,000 when it was issued on April 30, 2007 because investors were effectively being paid only \$25.63 for giving Royal Bank of Canada an option which was worth \$55.69.

There is no active secondary market for most structured products. Structured products, including this note, therefore are much less liquid than simple stocks, bonds, notes and mutual funds. Investors are likely to receive less than the structured product's estimated market value if they try to sell the structured product prior to maturity. Our valuations do not incorporate this relative lack of liquidity and therefore should be considered an upper bound on the value of the structured product.

Payoff Curve at Maturity



The payoff diagram shows the final payoff of this note given Home Depot, Inc.'s stock price (horizontal axis). For comparison, the dashed line shows the payoff if you invested in Home Depot, Inc.'s stock directly.

Geng Deng, Ph.D., FRM Director, SLCG (+1) 703.890.0741 GengDeng@slcg.com

> FIND SLCG STRUCTURED PRODUCTS RESEARCH AT www.SLCG.com

© 2012 SECURITIES LITIGATION & CONSULTING GROUP. ALL RIGHTS RESERVED. 3998 FAIR RIDGE DRIVE, SUITE 250, FAIRFAX, VA 22033 | MAIN (703) 246-9380 | INFO@SLCG.COM 100 WILSHIRE BLVD, SUITE 950, SANTA MONICA, CA 90401 | MAIN (310) 917-1075

Related Research

Research Papers:

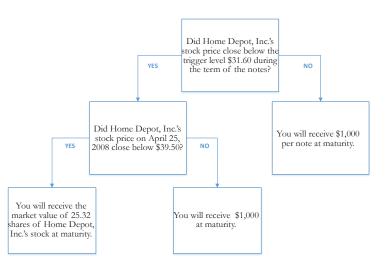
www.slcg.com/research.php

- "Are Structured Products Suitable for Retail Investors?" December 2006.
- *"Structured Products in the Aftermath of Lehman Brothers,"* November 2009.
- "What TiVo and JP Morgan Teach Us about Reverse Convertibles," June 2010.

Principal Payback Table

Home De- pot, Inc.'s Stock	Converted Note Payoff	Non-Con- verted Note Payoff
\$0.00	\$0.00	
\$3.95	\$100.00	
\$7.90	\$200.00	
\$11.85	\$300.00	
\$15.80	\$400.00	
\$19.75	\$500.00	
\$23.70	\$600.00	
\$27.65	\$700.00	
\$31.60	\$800.00	\$1,000.00
\$35.55	\$900.00	\$1,000.00
\$39.50	\$1,000.00	\$1,000.00
\$43.45	\$1,000.00	\$1,000.00
\$47.40	\$1,000.00	\$1,000.00
\$51.35	\$1,000.00	\$1,000.00
\$55.30	\$1,000.00	\$1,000.00
\$59.25	\$1,000.00	\$1,000.00

Maturity Payoff Diagram



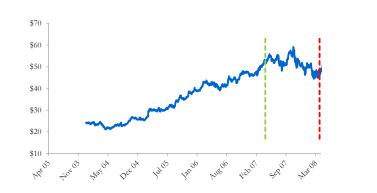
The contingent payoffs of this Reverse Convertible Note.

Analysis

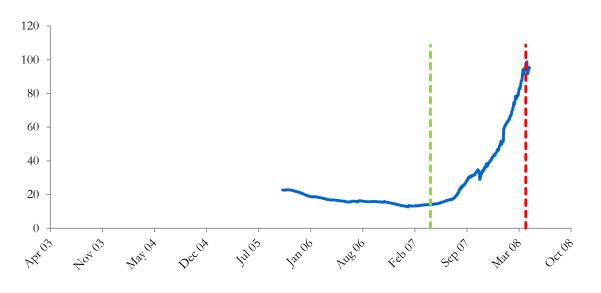
This reverse convertible's 8.00% coupon rate is higher than the yield Royal Bank of Canada paid on its straight debt but, in addition to Royal Bank of Canada's credit risk, investors bear the risk that they will receive shares of Home Depot, Inc.'s stock when they are worth substantially less than the face value of the note at maturity.

Investors purchasing reverse convertibles effectively sell put options to Royal Bank of Canada and post the note's issue price as collateral to secure satisfaction of the investors' obligations under the option contracts. Royal Bank of Canada pays investors a "coupon" that is part payment for the put options and part interest on the investors' posted collateral. This reverse convertible is fairly priced if and only if the excess of the reverse convertible's "coupon rate" above the interest Royal Bank of Canada pays on its straight debt equals the value of the put option investors are giving to Royal Bank of Canada. Whether the reverse convertible is suitable or not is equivalent to whether selling put options on the reference stock at the option premium being paid by Royal Bank of Canada was suitable for the investor.

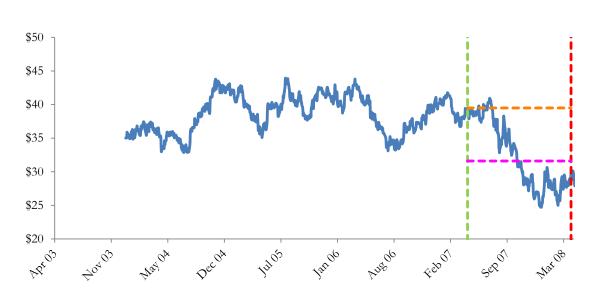
Royal Bank of Canada's Stock Price



The graph above shows the adjusted closing price of the issuer Royal Bank of Canada for the past several years. The stock price of the issuer is an indication of the financial strength of Royal Bank of Canada. The adjusted price shown above incorporates any stock split, reverse stock split, etc.



Credit default swap (CDS) rates are the market prize that investors require to bear credit risk of an issuer such as Royal Bank of Canada. CDS rates are usually given in basis points (bps). One basis point equals 0.01%. Higher CDS rates reflect higher perceived credit risk, higher required yields, and therefore lower market value of Royal Bank of Canada's debt, including outstanding Reverse Convertible Note. Fluctuations in Royal Bank of Canada's CDS rate impact the market value of the notes in the secondary market.



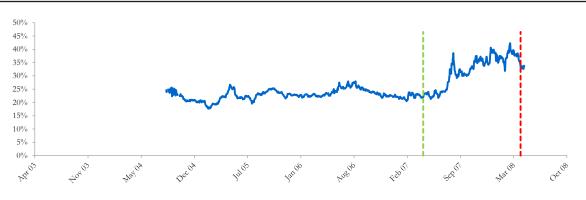
Home Depot, Inc.'s Stock Price

The graph above shows the historical levels of Home Depot, Inc.'s stock for the past several years. The final payoff of this note is determined by Home Depot, Inc.'s stock price at maturity. Higher fluctuations in Home Depot, Inc.'s stock price correspond to a greater uncertainty in the final payout of this Reverse Convertible Note.

Realized Payoff

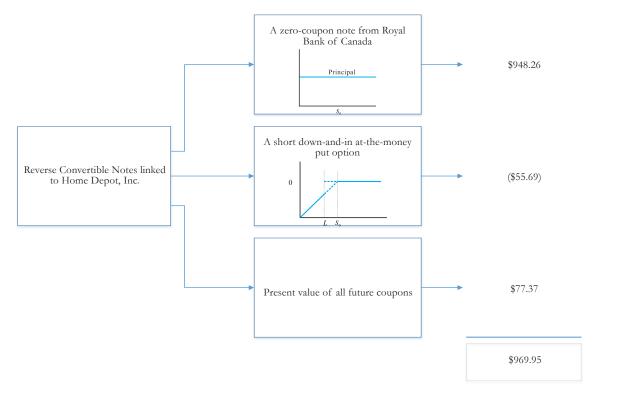
This note matured on April 30, 2008 and investors received \$753.92 per note (or equal to the value of 25.32 shares of Home Depot, Inc. stock's closing price on April 25, 2008).

Reference Asset Home Depot, Inc.'s Stock's Implied Volatility



The annualized implied volatility of Home Depot, Inc.'s stock on April 25, 2007 was 21.97%, meaning that options contracts on Home Depot, Inc.'s stock were trading at prices that reflect an expected annual volatility of 21.97%. The bigber the implied volatility, the larger the expected fluctuations of Home Depot, Inc.'s stock price and of the Note's market value during the life of the Notes.

Decomposition of this Reverse Convertible Note



This note can be decomposed into different components, and each component can be valued separately. The chart above shows the value of each component of this Reverse Convertible Note.

- Delta measures the sensitivity of the price of the note to the Home Depot, Inc.'s stock price on April 25, 2007.
 CDS rates can be considered a measure of the probability that an issuer will default over a certain period of time and the likely loss given a default. The lower the CDS rate, the lower the default probability. CDS rate is given in basis points (1 basis point equals 0.01%), and is considered as a market premium, on top of the risk-free rate, that investors require to insure against a potential default.
 Fair price evaluation is based on the Black-Scholes model of the Home Depot, Inc.'s stock on April 25, 2007.
 Calculated payout at maturity is only an approximation, and may differ from actual payouts at maturity.
 Our evaluation does not include any transaction fees, broker commissions, or liquidity discounts on the notes.

©2012 Securities Litigation and Consulting Group. All Rights Reserved. This research report and its contents are for informational and educational purposes only. The views and opinions on this document are those of the authors and should not be considered investment advice. Decisions based on information obtained from this document are your sole responsibility, and before making any decision on the basis of this information, you should consider whether the information is appropriate in light of your particular investment needs, objectives and financial circumstances. Investors should seek financial advice regarding the suitability of investing in any securities or following any investment strategies.