

### Structured Product Details

Name		d Buffered Index-Linked nked to the Russell 2000 Index
Issue Size Issue Price Term Annualized O	Coupon	\$6.80 million \$1,000 24 Months 0.00%
Pricing Date Issue Date Valuation Da Maturity Dat		June 9, 2011 June 14, 2011 June 11, 2013 June 14, 2013
Issuer CDS Rate Swap Rate		Goldman Sachs 83.02 bps 0.61%
Reference As	set	the Russell 2000 Index
Initial Lev Dividend I Implied Vo Delta <sup>1</sup>	Rate	795.95 1.41% 28.21% 0.64
Fair Price at	Issue	\$973.45
CUSIP SEC Link	ta/886982/00	38143UVU2 www.sec.gov/Archives/edgar/ 0119312511163813/d424b2.htm

Structured Products Research Report

Report Prepared On: 02/01/13

# Leveraged Buffered Index-Linked Notes linked to the Russell 2000 Index

### Description

Goldman Sachs issued \$6.80 million of Leveraged Buffered Index-Linked Notes linked to the Russell 2000 Index on June 14, 2011 at \$1,000 per note.

These notes are Goldman Sachs-branded Buffered PLUS securities that do not pay periodic coupons, but instead pay a single amount at maturity depending on the final level of the Russell 2000 Index.

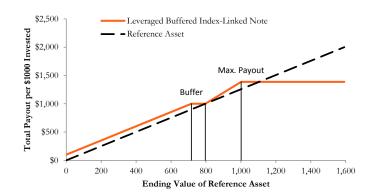
If on June 11, 2013 the Russell 2000 Index level is higher than 795.95, but lower than 1,001.31, the notes pay a return equal to the percentage increase in the Russell 2000 Index multiplied by 1.5, up to a cap of 38.70%. If on June 11, 2013 the refe is below 795.95 but not below 716.36, investors receive \$1,000 face value per note. If the Russell 2000 Index level on June 11, 2013 is lower than 716.36, investors receive face value per note reduced by the amount the reference asset is below 716.36 as a percent of the initial level, 795.95.

## Valuation

This product can be valued as a combination of a note from Goldman Sachs, one short out-of-the-money put option, 1.5 long at-the-money call options, and 1.5 short out-of-the-money call options. For reasonable valuation inputs this note was worth \$973.45 when it was issued on June 14, 2011 because the value of the options investors gave Goldman Sachs plus the interest investors would have received on Goldman Sachs's straight debt was worth \$26.55 more than the options investors received from Goldman Sachs.

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 the Russell 2000 Index level (horizontal axis). For comparison, the dashed line shows the payoff if you invested in the Russell 2000 Index directly.

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Related Research

#### **Research Papers:**

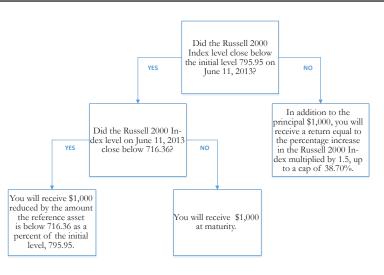
www.slcg.com/research.php

- "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

The Russell 2000 Index	Note Payoff
0.00	\$100.00
79.60	\$200.00
159.19	\$300.00
238.79	\$400.00
318.38	\$500.00
397.98	\$600.00
477.57	\$700.00
557.17	\$800.00
636.76	\$900.00
716.36	\$1,000.00
795.95	\$1,000.00
875.55	\$1,150.00
955.14	\$1,300.00
1,034.74	\$1,387.00
1,114.33	\$1,387.00
1,193.93	\$1,387.00

#### Maturity Payoff Diagram

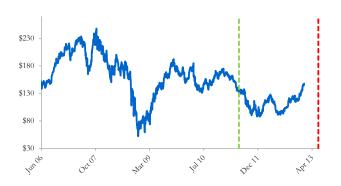


The contingent payoffs of this Leveraged Buffered Index-Linked Note.

### Analysis

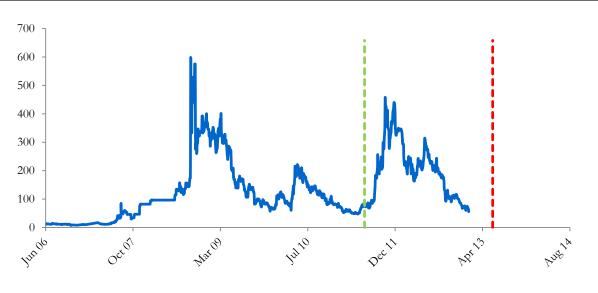
This Leveraged Buffered Index-Linked Note pays investors the increase in the Russell 2000 Index multiplied by 1.5 capped at 38.70%, but if the Russell 2000 Index declines over the term of the note, investors will suffer losses equal to the percentage decline in the Russell 2000 Index. In addition, investors bear the credit risk of Goldman Sachs. Investors purchasing this Leveraged Buffered Index-Linked Note effectively sell at-the-money put and out-of-the-money call options to Goldman Sachs, buy at-the-money call options, and a zero-coupon note from Goldman Sachs. This Leveraged Buffered Index-Linked Note is fairly priced if and only if the market value of the options investors gave Goldman Sachs plus the interest investors would have received on Goldman Sachs's straight debt.

#### Goldman Sachs's Stock Price

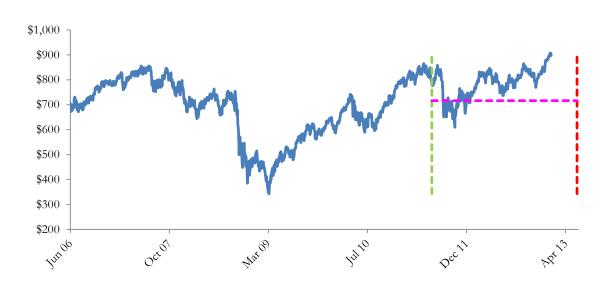


The graph above shows the adjusted closing price of the issuer Goldman Sachs for the past several years. The stock price of the issuer is an indication of the financial strength of Goldman Sachs. The adjusted price shown above incorporates any stock split, reverse stock split, etc.





Credit default swap (CDS) rates are the market price that investors require to bear credit risk of an issuer such as Goldman Sachs. 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 Goldman Sachs's debt, including outstanding Leveraged Buffered Index-Linked Note. Fluctuations in Goldman Sachs's CDS rate impact the market value of the notes in the secondary market.



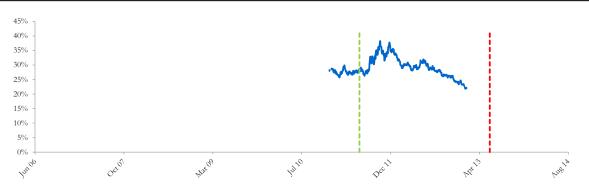
#### The Russell 2000 Index Level

The graph above shows the historical levels of the Russell 2000 Index for the past several years. The final payoff of this note is determined by the Russell 2000 Index level at maturity. Higher fluctuations in the Russell 2000 Index level correspond to a greater uncertainty in the final payout of this Leveraged Buffered Index-Linked Note.

#### **Realized Payoff**

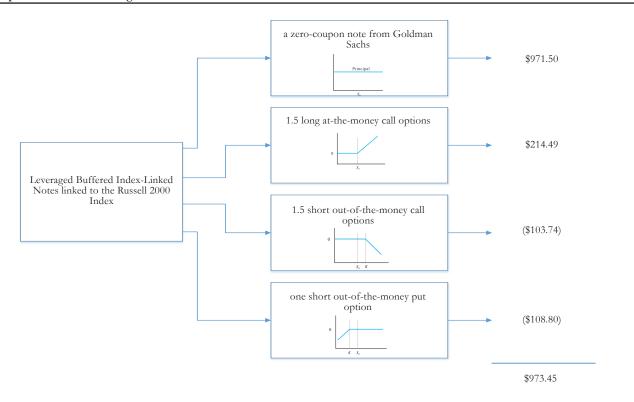
This product will mature on June 14, 2013.

#### Reference Asset The Russell 2000 Index's Implied Volatility



The annualized implied volatility of the Russell 2000 Index on June 9, 2011 was 28.21%, meaning that options contracts on the Russell 2000 Index were trading at prices that reflect an expected annual volatility of 28.21%. The higher the implied volatility, the larger the expected fluctuations of the Russell 2000 Index level and of the Note's market value during the life of the Notes.

#### Decomposition of this Leveraged Buffered Index-Linked 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 Leveraged Buffered Index-Linked Note.

- Delta measures the sensitivity of the price of the note to the the Russell 2000 Index level on June 9, 2011.
  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 the Russell 2000 Index on June 9, 2011.
  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.

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