

Virtus Duff & Phelps Real Estate Securities Series – Class A Shares

VIRTUS
VARIABLE INSURANCE TRUST

This Summary Prospectus is intended for use in connection with a variable life insurance policy or a variable annuity contract and is not intended for use by other investors.

Before you invest, you may want to review the series' prospectus, which contains more information about the series and its risks. You can find the series' prospectus, statement of additional information (SAI), annual report and other information about the series online at virtus.com/our-products/vit.

You can also get this information at no cost by calling 800-367-5877 or by sending an e-mail to: virtus.investment.partners@virtus.com.

The series' prospectus and SAI, both dated May 1, 2017, are incorporated by reference into this Summary Prospectus.

Investment Objective

The Series has investment objectives of capital appreciation and income with approximately equal emphasis.

Fees and Expenses

The following table describes the fees and expenses you may pay if you buy and hold shares of the Virtus Duff & Phelps Real Estate Securities Series. The table does not include any fees or sales charges imposed under the variable contracts for which the Series is an investment option. If they were included, your costs would be higher.

Shareholder Fees (fees paid directly from your investment)	Class A
Shareholder Fees	None

Annual Series Operating Expenses (expenses that you pay each year as a percentage of the value of your investment.)	Class A
Management Fees	0.75%
Distribution and/or Service (12b-1) Fees	0.25%
Other Expenses	0.24%
Total Annual Series Operating Expenses ^(a)	1.24%
Less: Expense Reimbursement ^(b)	(0.08)%
Total Annual Series Operating Expenses After Expense Reimbursement ^{(a)(b)}	1.16%

- (a) The Total Annual Series Operating Expenses do not correlate to the ratio of expenses to average net assets appearing in the Financial Highlights tables, which tables reflect only the operating expenses of the Series and do not include proxy expenses.
- (b) The Series' investment adviser has contractually agreed to limit the Series' total annual operating expenses (excluding certain expenses, such as front-end or contingent deferred sales charges, taxes, interest, brokerage commissions, unusual or infrequently occurring expenses (such as litigation) and acquired fund fees and expenses, if any) so that such expenses do not exceed 1.16% for Class A Shares through April 30, 2018. Following the contractual period, the adviser may discontinue this expense reimbursement arrangement at any time. Under certain conditions, the adviser may recapture operating expenses reimbursed under this arrangement for a period of three years following the time such reimbursement occurred.

Example

This example is intended to help you compare the cost of investing in the Series with the cost of investing in other mutual funds. The example assumes that you invest \$10,000 in the Series for the time periods indicated and then redeem all of your shares at the end of those periods. The example also assumes that your investment has a 5% return each year, that the fund's operating expenses remain the same and that the expense reimbursement arrangement remains in place for the contractual period. The example does not reflect variable contract fees and charges, and if it did, the costs shown would be higher. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

	1 Year	3 Years	5 Years	10 Years
Class A	\$118	\$386	\$673	\$1,493

Portfolio Turnover

The Series pays transaction costs, such as commissions, when it buys and sells securities (or "turns over" its portfolio). A higher portfolio turnover rate may indicate higher transaction costs. These costs, which are not reflected in Annual Series Operating Expenses or in the Example, affect the Series' performance. During the most recent fiscal year, the Series' portfolio turnover rate was 35% of the average value of its portfolio.

Principal Investment Strategies

The Series offers exposure to the equity real estate investment trust (REITs) market utilizing a Growth at a Reasonable Price style with macroeconomic and fundamental security analysis to identify the most attractive investment candidates. The subadviser believes the value of a REIT extends beyond the value of the underlying real estate and that through fundamental research, it can uncover and exploit inefficiencies in the market.

Under normal circumstances, the Series invests at least 80% of its assets in publicly-traded REITs and companies that are principally engaged in the real estate industry. The Series concentrates its assets in the real estate industry and is non-diversified under Federal securities laws.

Principal Risks

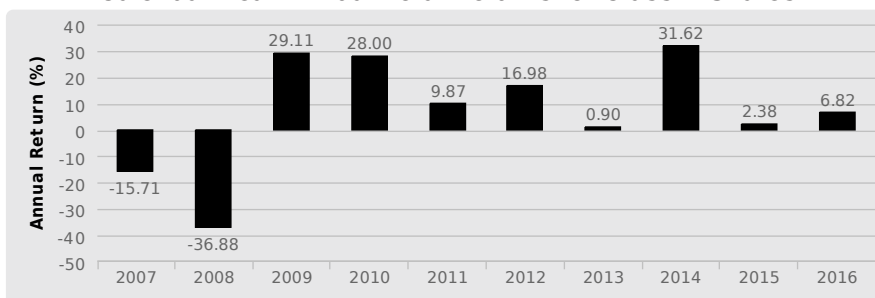
The Series may not achieve its objective(s), and it is not intended to be a complete investment program. The value of the Series' investments that supports your share value may decrease. If between the time you purchase shares and the time you sell shares the value of the Series' investments decreases, you will lose money. Investment values can decrease for a number of reasons. Conditions affecting the overall economy, specific industries or companies in which the Series invests can be worse than expected, and investments may fail to perform as the subadviser expects. As a result, the value of your shares may decrease. Purchase and redemption activities by variable contract owners may impact the management of the Series and its ability to achieve its investment objective(s). The redemption by one or more large variable contract owners or groups of variable contract owners of their holdings in the Series could have an adverse impact on the remaining variable contract owners in the Series including by accelerating the realization of capital gains and increasing the Series' transaction costs. The principal risks of investing in the Series are:

- > **Equity REIT Securities Risk.** The risk that, in addition to the risks associated with investing in the real estate industry, the value of the Series' shares will be negatively affected by factors specific to investing through a pooled vehicle, such as through poor management of the REIT or REIT-like entity, concentration risk, or other risks typically associated with investing in small or medium market capitalization companies.
- > **Equity Securities Risk.** The risk that events negatively affecting issuers, industries or financial markets in which the Series invests, will impact the value of the stocks held by the Series and thus, the value of the Series' shares over short or extended periods. Investments in a particular style or in small or medium-sized companies may enhance that risk.
- > **Industry/Sector Concentration Risk.** The risk that the events negatively affecting the real estate industry will cause the value of the Series' shares to decrease, perhaps significantly. Since the Series concentrates its assets in the real estate industry, the Series is more vulnerable to conditions that negatively affect that industry as compared to a fund that does not so concentrate its holdings.
- > **Market Volatility Risk.** The risk that the value of the securities in which the Series invests may go up or down in response to the prospects of individual issuers and/or general economic conditions. Price changes may be temporary or may last for extended periods.
- > **Non-Diversification Risk.** The risk that the Series will be more susceptible to factors negatively impacting the securities in its portfolio to the extent the Series invests more of its assets in the securities of fewer issuers than would a diversified Series.
- > **Real Estate Investment Risk.** The risk that the value of the Series' shares will be negatively affected by changes in real estate values or economic conditions, credit risk and interest rate fluctuations, and changes in the value of the underlying real estate and defaults by borrowers.

Performance

The following bar chart and table provide some indication of the risks of investing in the Series. The bar chart shows changes in the Series' performance from year to year over a 10-year period. The table shows how the Series' average annual returns compare to those of a broad-based securities market index. The Series' past performance is not necessarily an indication of how the Series will perform in the future. The Series' returns in the chart and table do not reflect the deduction of any separate account or variable contract charges. The returns would have been less than those shown if such charges were deducted.

Calendar Year Annual Total Returns for Class A Shares



Best Quarter: 3Q/2009: 33.37% Worst Quarter: 4Q/2008: -38.56% Year to date (3/31/17): 0.39%

Average Annual Total Returns (for the periods ended 12/31/16)	1 Year	5 Years	10 Years
Class A	6.82%	11.18%	5.08%
FTSE NAREIT Equity REITs Index (does not reflect fees or expenses)	8.52%	12.01%	5.08%

Updated performance information is available at virtus.com or by calling 800-367-5877.

Management

The Adviser and Subadviser

Virtus Investment Advisers, Inc. ("VIA") is the investment adviser to the Series.

Duff & Phelps Investment Management Co. ("Duff & Phelps"), an affiliate of VIA, is the subadviser to the Series.

Portfolio Managers

- > **Geoffrey P. Dybas, CFA**, Senior Managing Director and Global REIT Team Head at Duff & Phelps. Mr. Dybas has served as a Senior Portfolio Manager of the Series since 2007.

- > **Frank J. Haggerty, Jr., CFA**, Senior Managing Director at Duff & Phelps. Mr. Haggerty has served as a Portfolio Manager of the Series since 2007.

Purchase and Sale of Series Shares

The Series does not offer its shares to the general public. The Series currently offers shares only to the separate accounts of participating insurance companies. Virtus Variable Insurance Trust (the "Trust"), of which the Series is a separate investment portfolio, has entered into an agreement with the insurance company sponsor of each separate account (participation agreement) setting forth the terms and conditions pursuant to which the insurance company will purchase and redeem shares of the Series. For information concerning the purchase of units of the separate accounts, see the variable contract prospectus.

Tax Information

Since the separate accounts are the only shareholders of the Series, no discussion is included herein as to the federal income tax consequences at the shareholder level. For information concerning the federal income tax consequences to the purchasers of variable contracts, see the variable contract prospectus which describes the particular separate account and variable contract.

Payments to Insurance Companies and Other Financial Intermediaries

Series shares are generally available only through intermediaries, *i.e.*, the separate accounts. The Series (and/or its related companies) may pay the insurance companies (and/or their related companies) for distribution and/or other services; some of the payments may, in turn, go to broker-dealers and other financial intermediaries. For example, the Series may make payments for sub-transfer agency services to one or more of the insurance companies. Such payments may create a conflict of interest for an intermediary by influencing the intermediary's investment recommendations, or be a factor in the insurance company's decision to include the Series as an underlying investment option in a variable contract. Ask your salesperson or review your variable contract prospectus for more information.

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