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# VANDERBILT

## Technical Data

### Minerals from R.T. Vanderbilt Company, Inc.

| Typical Properties                 | Density           |        | GE         | <325               | Median   | Hegman   | pH <sup>A</sup> | Oil     |
|------------------------------------|-------------------|--------|------------|--------------------|----------|----------|-----------------|---------|
|                                    | g/cm <sup>3</sup> | lb/gal | Brightness | mesh,%             | P.S., μm | Fineness |                 | Abs., % |
| <i>Kaolin Clay (Hard Clay)</i>     |                   |        |            |                    |          |          |                 |         |
| <b>DIXIE CLAY<sup>®</sup></b>      | 2.60              | 21.6   | 70         | 99.8               | 0.2      | --       | 4.5             | 41      |
| <b>PAR<sup>®</sup></b>             | 2.62              | 21.8   | 68         | 99.5               | 0.2      | --       | 4.8             | 40      |
| <b>BILT-PLATES<sup>®</sup> 156</b> | 2.62              | 21.8   | 75         | 99.95              | 0.2      | 4        | 4.5             | 41      |
| <i>Kaolin Clay (Soft Clay)</i>     |                   |        |            |                    |          |          |                 |         |
| <b>LANGFORD<sup>™</sup></b>        | 2.62              | 21.8   | 69         | 99.0               | 1.3      | --       | 4.8             | 36      |
| <b>McNAMEE<sup>®</sup></b>         | 2.62              | 21.8   | 75         | 99.7               | 1.2      | 2        | 4.8             | 35      |
| <b>PEERLESS<sup>®</sup> 1</b>      | 2.60              | 21.6   | 75         | 99.6 <sup>B</sup>  | 1.2      | 0        | 4.6             | 30      |
| <b>PEERLESS 3</b>                  | 2.60              | 21.6   | 60         | 99.6 <sup>B</sup>  | 1.1      | 0        | 4.6             | 33      |
| <i>Pyrophyllite</i>                |                   |        |            |                    |          |          |                 |         |
| <b>PYRAX<sup>®</sup> A</b>         | 2.80              | 23.3   | 65         | 90.0               | 10.0     | 0        | 6.9             | 24      |
| <b>PYRAX ABB</b>                   | 2.80              | 23.3   | 65         | 91.0               | 11       | 0        | 6.9             | 24      |
| <b>PYRAX B</b>                     | 2.80              | 23.3   | 78         | 95.0               | 10.0     | 0        | 6.9             | 26      |
| <b>PYRAX WA</b>                    | 2.80              | 23.3   | 78         | 87.0               | 14.0     | 0        | 6.6             | 24      |
| <b>VEECOTE<sup>®</sup></b>         | 2.80              | 23.3   | 80         | 99.0               | 10.0     | 0-1      | 6.9             | 26      |
| <i>Wollastonite</i>                |                   |        |            |                    |          |          |                 |         |
| <b>VANSIL<sup>®</sup> W-10</b>     | 2.90              | 24.2   | 87         | 97.3 <sup>B</sup>  | 20.0     | 0        | 10.0            | 19      |
| <b>VANSIL W-20</b>                 | 2.90              | 24.2   | 87         | 98.0               | 12.0     | 0-1      | 10.0            | 20      |
| <b>VANSIL W-30</b>                 | 2.90              | 24.2   | 87         | 99.9               | 4.5      | 4        | 10.0            | 21      |
| <b>VANSIL W-40</b>                 | 2.90              | 24.2   | 87         | 99.97              | 5.6      | 5        | 10.0            | 26      |
| <b>VANSIL W-50</b>                 | 2.90              | 24.2   | 87         | 99.99 <sup>C</sup> | 2.8      | 6+       | 10.0            | 30      |
| <b>VANSIL WG<sup>1</sup></b>       | 2.90              | 24.2   | 89         | 80.0 <sup>B</sup>  | --       | 0        | 10.0            | 40      |
| <b>VANSIL HR-325<sup>2</sup></b>   | 2.90              | 24.2   | 89         | 99.95              | 2.3      | 6+       | 10.0            | 40      |
| <b>VANSIL HR-1500<sup>3</sup></b>  | 2.90              | 24.2   | 89         | 97.5 <sup>B</sup>  | 9.0      | 0-1      | 10.0            | 44      |
| <b>VANSIL HR-2000<sup>3</sup></b>  | 2.90              | 24.2   | 89         | 95.0 <sup>B</sup>  | 14.0     | 0-1      | 10.0            | 46      |

<sup>1</sup>Acicular; 15:1 aspect ratio

<sup>2</sup>Acicular; 12:1 aspect ratio

<sup>3</sup>Acicular; 14:1 aspect ratio

<sup>A</sup>10% slurry

<sup>B</sup><200 mesh

<sup>C</sup><400 mesh

Most wollastonite products are available with silane treatments under the **VANCOTE<sup>®</sup>** trademark.

DIXIE CLAY<sup>®</sup> Filler, PAR<sup>®</sup> Clay, BILT-PLATES<sup>®</sup> Clay, McNAMEE<sup>®</sup> Clay, PEERLESS<sup>®</sup> Clay, PYRAX<sup>®</sup> Pyrophyllite, VEECOTE<sup>®</sup> Pyrophyllite, VANSIL<sup>®</sup> Wollastonite and VANCOTE<sup>®</sup> Treated Wollastonite are registered trademarks of R.T. Vanderbilt Company, Inc. LANGFORD<sup>™</sup> Clay is a trademark of R.T. Vanderbilt Company, Inc. rev.03/2011

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