

The Paint Department at R.T. Vanderbilt Company, Inc. supplies many raw materials which are extensively used in the paint and coatings industries. This folder provides general information on these products. Samples and literature providing technical information are available on request.

## Mineral Products/Silicate Extender Pigments

### Wollastonite – Calcium Metasilicate

**VANSIL**® wollastonite is a high brightness mineral filler and functional extender pigment for paint. **VANSIL** has a relatively high pH (10-11) that maintains the pH of latex paints in the desired range. It has low binder demand and low water solubility. The fineness of each grade follows:

	Screen Residue		Hegman Fineness
<b>VANSIL WG</b>	20.0%	+200 mesh	0
<b>VANSIL HR-2000</b>	10.0%	+200 mesh	0
<b>VANSIL HR-1500</b>	5.0%	+200 mesh	0
<b>VANSIL HR-325</b>	0.05%	+325 mesh	4
<b>VANSIL W-10</b>	4.5%	+200 mesh	0
<b>VANSIL W-20</b>	3.0%	+325 mesh	0-1
<b>VANSIL W-30</b>	0.09%	+325 mesh	4
<b>VANSIL W-40</b>	0.1%	+325 mesh	5
<b>VANSIL W-50</b>	0.05%	+400 mesh	6+

### Clay (Kaolin) – Hydrous Aluminum Silicate

**PEERLESS**®, **DIXIE CLAY**® and **BILT-PLATES**® 156 fillers are air-floated clays available in grades that vary in brightness and fineness. They are used in coatings, primers, crack fillers and caulking compounds when high brightness is not a prerequisite.

The fineness of each grade follows:

	Screen Residue	
<b>PEERLESS 1</b>	0.40%	+200 mesh
<b>PEERLESS 3</b>	0.40%	+200 mesh
<b>DIXIE CLAY</b>	0.20%	+325 mesh
<b>BILT-PLATES 156</b>	0.05%	+325 mesh

### Pyrophyllite – Hydrous Aluminum Silicate

**PYRAX**® pyrophyllite is useful as an extender pigment when a relatively coarse material is required. Its micaceous structure helps to control the mud cracking of texture paints. The fineness of each grade follows:

	Screen Residue (+200 mesh)
<b>PYRAX B</b>	1.0%
<b>PYRAX WA</b>	3.0%
<b>VEECOTE</b> ®	0.3%

### Inorganic Thixotropes for Aqueous Systems

**VAN GEL**® B and **VEEGUM**® T smectite clays (magnesium aluminum silicate) are specially formulated for easy incorporation and consistent performance in aqueous systems. Aqueous dispersions of **VAN GEL B** or **VEEGUM T** are highly thixotropic gels at low solids, and are resistant to bacterial and enzymatic degradation. The use of **VAN GEL B** or **VEEGUM T** in a coating formula results in a product with no separation and with uniform thixotropic consistency that requires no stirring, while promoting good flow and brushing characteristics.

The result is “dripless” application and leveling without sag. **VAN GEL B** or **VEEGUM T**, in combination with an associative thickener, has minimal effect on the gloss of semi-gloss latex paints.

## Additives

### Drier Accelerators and Stabilizers

**ACTIV-8**® and **ACTIV-8 HGL** drier accelerators are used to optimize drier performance in a wide range of coatings. The active ingredient is 1,10-phenanthroline, offered in different solvent blends. The solutions perform well with manganese and/or cobalt driers in solvent- and waterborne coatings. 1,10-phenanthroline Technical Grade is also available.

A “How-to” Guide for the Use of **ACTIV-8** is available on request.

### Corrosion Inhibitors

**VANCOR**® corrosion inhibitors are metallic sulfonates in solvents that are not on the HAPS list. Calcium and barium sulfonates are available. Salt-spray tests have shown that these products improve the corrosion

resistance of coatings. The **VANCOR** products perform well in water-reducible alkyd and latex coatings. **VANCOR 081** (barium sulfonate) also acts as a flash rust inhibitor.

### Flow Control Agent for Solvent-Borne Paints

**RHEOTOL**® paint additive is a stable nonreactive film-forming organic composition. Useful in solvent-borne coatings, **RHEOTOL** performs as a mixing and dispersing aid in many types of paint, particularly those based on poor wetting vehicles. It assists pigment wetting and dispersion, improves flow, leveling and gloss, and increases paste flow, allowing a higher percentage of pigment to be mixed in a given amount of vehicle.

### Organic Thickeners for Aqueous Systems

**VANZAN**® anionic polysaccharide (xanthan gum) is produced from the fermentation of carbohydrates by the microorganism *xanthomomas campestris*. It is supplied as a creamy-white powder that forms pseudoplastic colloidal solutions in water and is insoluble in most organic liquids.

**VANZAN** has exceptional thickening, suspending and stabilizing properties in the presence of acids, bases and salts, and at elevated temperatures. The grades used in coating applications are **VANZAN** and **VANZAN D**.

### Dispersing Agents for Aqueous Systems

**DARVAN**® surfactants are anionic dispersing agents. They disperse finely divided solids in water and help to keep them dispersed. The following **DARVAN** products are useful in the formulation of paints and coatings:

**DARVAN 1 Spray Dried** is a general purpose dispersing agent. It is a granular product composed of sodium salts of polymerized alkyl naphthalene sulfonic acid. It increases paste flow, allowing a higher percentage of pigment to be mixed in a given amount of vehicle.

**DARVAN 7-N** is a polyelectrolyte dispersing agent in an aqueous solution. It is a minimum foaming dispersing agent.

**DARVAN 670** is a general purpose dispersing agent, sodium salts of polymerized naphthalene sulfonates.

**DARVAN 811** is a sodium polyacrylate solution for high solids mineral slurries such as kaolin, calcium carbonate, etc.

## Synthetic Rubber NEOPRENE

### NEOPRENE

Available as an emulsion in many grades for various applications. Uses include industrial and decorative coatings, dipped goods, saturants and wet end additives for fibrous products.

Paint Products are available at:  
<http://www.rtvanderbilt.com/paint.htm>

Paint Product Literature is available at:  
[http://www.rtvanderbilt.com/news\\_1\\_d.htm](http://www.rtvanderbilt.com/news_1_d.htm)

Samples and Technical Data Sheets are available on request.



**R. T. Vanderbilt Company, Inc.**

INDUSTRIAL MINERALS AND CHEMICALS

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