

Chemical Additives for Paints and Coatings

Drier Accelerators and Stabilizers

ACTIV-8® Drier Stabilizer and Accelerator and **ACTIV-8 HGL** 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-borne and water-borne coatings that dry by oxidative polymerization. **1,10-phenanthroline Technical Grade** is also available.

Dispersing Agents for Aqueous Systems

DARVAN® Dispersing Agent products are anionic dispersing agents. They disperse finely divided solids in water and help keep them dispersed.

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 into a given amount of vehicle.

DARVAN 7-N, a sodium polymethacrylate-type dispersing agent, is a minimum foaming dispersing agent that is effective for dispersing mineral pigments in water-borne paints and coatings.

DARVAN 670, the sodium salt of polymerized naphthalene sulfonates, is a general purpose anionic dispersing agents. **DARVAN 670** is used for the preparation of aqueous dispersions of colored pigments, dyes, extender pigments, etc. for water-borne paints and coatings. **DARVAN 670L** is a 40% aqueous solution of **DARVAN 670**.

DARVAN 811, a sodium polyacrylate dispersing agent, is effective for high solids mineral slurries such as TiO_2 , kaolin, calcium carbonate, wollastonite, etc.

Mold Inhibitor

VANCIDE® MZ-98 is a very effective heat stable mold inhibiting powder for use in unmodified latex paints, joint compounds, adhesives and textured finishes.

Synthetic Rubber

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

Organic Thickeners for Aqueous Systems

VANZAN® Xanthan Gum (anionic polysaccharide) has exceptional thickening, suspending and stabilizing properties in the presence of acids, bases and salts, and at elevated temperatures. **VANZAN** is supplied as a creamy-white powder that forms pseudoplastic colloidal solutions in water and is insoluble in most organic liquids. **VANZAND** is a surface treated grade that provides easy dispersion with rapid viscosity development without formulation of lumps or "fish eyes".

Inorganic Thixotropes for Aqueous Systems

VAN GEL® B Magnesium Aluminum Silicate and **VEEGUM® T** Magnesium Aluminum Silicate are smectite clays specially formulated for easy incorporation and consistent performance in aqueous systems. Their use 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.

8/10/2018

Mineral Fillers for Paints and Coatings

Wollastonite – Calcium Metasilicate

VANSIL® Wollastonite is a high brightness mineral filler and functional extender pigment for paint. Its relatively high pH (10-11) helps maintain the pH of latex paints in the desired range of 8-9. It has low binder demand and low water solubility. Both high aspect ratio and low aspect ratio grades are available.

	Screen Residue			Hegman Fineness
	+200 mesh	+325 mesh	+400 mesh	
VANSIL WG	20.0%			0
VANSIL HR-2000	10.0%			0
VANSIL HR-1500	5.0%			0
VANSIL W-20		3.0%		0-1
VANSIL CK-20		2.0%		0-1
VANSIL W-30		<0.1%		4
VANSIL W-40		0.1%		5
VANSIL W-50			<0.1%	+6

Kaolin Clay – Hydrous Aluminum Silicate

PEERLESS® Clay, **DIXIE CLAY®** Clay, **McNAMEE®** Clay, and **BILT-PLATES® 156** Clay fillers are air-floated clays available in a wide range of finesses of grind. They are used in coatings, primers, crack fillers and caulking compounds when high brightness is not a prerequisite.

		Screen Residue	
		+200 mesh	+325 mesh
Soft Clays	PEERLESS	0.4%	
	McNAMEE		0.7%
Hard Clays	DIXIE CLAY		0.7%
	BILT-PLATES 156		0.1%

Pyrophyllite – Hydrous Aluminum Silicate

PYRAX® Pyrophyllite is a useful extender pigment when a relatively coarse material is required. The micaceous structure of **PYRAX** helps control the mud cracking of texture paints. **PYRAX B** and **PYRAX WA** can be used as a mica replacement in ready mix joint compounds.

		Screen Residue
		+200 mesh
PYRAX B		<1%
PYRAX WA		<3%