

SIPOXY-SHIELD VA 612

Product No. 6612

Glass Flake Reinforced Vinyl Ester Coating

Features	Recommended Use
<ul style="list-style-type: none"> ● Excellent mineral acid and resistance even at elevated temperatures. ● Excellent general chemical and solvent resistance. ● Quick recoat time and allows same day recoating. ● Self-priming. No primer is required or recommended. 	<ul style="list-style-type: none"> ● Ideal for use in highly corrosive environments on both ferrous metal and masonry surfaces. Often used in petrochemical plants and industrial waste treatment plants on acid tanks, effluent trenches, chemical fume scrubbers, tank liners (chemical solvents, salts), neutralizing tanks, sludge pits, brine tanks, pickling tanks, clarifiers, dury basins, waste oil tanks, phosphatizers precipitation chambers and GOSPS pressure vessels and headers. ● Also used in the utility industry, especially fossil fuel plants, for plenum chambers, stack liners, duct work, sulphur dioxide scrubber systems, sludge tanks, and neutralizing tanks.

Physical Data	
<p>Finish : Semi-Gloss</p> <p>Colours : Beige, Grey</p> <p>Volume Solids : 90%</p> <p>Recommended Film Thickness: 425 - 500 microns dry = 472 - 555 microns wet</p> <p>Theoretical Coverage: 9 m²/ltr. at 100 microns</p>	<p>Density (mixed) : 1.22 kg/ltr.</p> <p>Drying Times : (25°C/65% RH):</p> <p>Dry to Recoat (min) : 5 Hours</p> <p>Hard Dry : 48 Hours</p> <p>Maximum Recoating : 48 Hours</p> <p>Heat Resistant : 182°C Dry</p> <p>Flash Point : 28°C</p>

Specification Data

Preparation

All surfaces must be completely dry and cleaned free of dirt, grease, wax, soap or powdery residue, mill scale rust or other contaminants.

New Surfaces: Ferrous metals – Degrease surfaces with SIP-PREP 615 prior to abrasive to white metal equivalent to SSPC-SP5 with a jagged blast profile of 3-4 mils (75-100 microns) to ensure adequate adhesion. Surfaces must be free of grit dust. **Concrete and Masonry** – Level any surfaces projections and mortar splatter by grinding. Remove weak or powdery surface on concrete by mechanical means such as grinding or brush blasting to remove laitance. Smooth concrete must be dulled by brush blasting.

Previously Painted Surfaces: Treat as listed under **New Surfaces**.

Application Data

Mixing Ratio by Weight Base : 98.5
 Catalyst : 1.5

Mixing Advice SIPOXY-SHIELD VA 612 is a two component product supplied in two kits which contain the proper ratio of ingredients. The entire contents of each container must be mixed together.
 Power mix the base portion first to obtain a smooth, homogeneous condition. After mixing the base portion for 5 to 10 minutes, add the catalyst slowly with continued agitation. When all the catalyst has been added continue to mix slowly until homogeneous.

Thinning Thinner 762
 Thinning is not normally required or desired; however, at lower temperatures or in extreme conditions small amounts of Thinner Toluene can be added. Any solvent addition should be made after the two components are thoroughly mixed.

Pot Life 3 hours at 25°C.

Application Details SIPOXY-SHIELD VA 612 can be applied by both conventional air spray, airless spray equipment and roller.
 For air spray application, use a fluid tip of .070" to .086" with pressure 2,000 – 2500 psi.

 Where airless equipment is used, a 30 to 1 pump and .023" to .031" tip size will provide a good spray pattern.

 For touch-up work, SIPOXY-SHIELD VA 612 can be applied by brush or roller. Care should be taken that proper and uniform film thickness are obtained.

Cleaning of Equipment Use Thinner 762

Storage Information

Pack Size 20 ltr. two component kits.
Storage Store generally in original sealed container, indoors, at a temperature between 5 and 30°C and relative humidity below 70%.
Shelf Life 6 months.

Safety Information

See the material safety data sheet and product label for complete safety and precaution requirements.

Disclaimer

The information in this data sheet represent test results or experience under well defined conditions. Its accuracy or suitability under the actual conditions of any intended use is not guaranteed and must be determined by the user. All advice given about this product is given in good faith. Since as we have no control over conditions of substrate and application, manufacturer and seller can not accept any liability in connection with the use of the product relative to coverage, performance, injury or damage, unless we specifically agree in writing to do so. The information in this data sheet is subject to change without notice and it is the user's responsibility to ensure it is current. For further information and advice contact SIPCO Technical Services Department on Tel. (03) 847 2299, Fax (03) 847 3780.