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TECHNICAL DATA SHEET

FEDPRIME -VE

DESCRIPTION

FedPrime -VE, is a two component modified vinyl ester primer designed to give increased adhesive strength, superior resistance to abrasion and severe mechanical stresses while having a greater degree of durability and elongation. **FedPrime -VE** is indicated for steel and s/steel substrates under constant high temperatures.

PRINCIPLE USES

FedPrime -VE is used as a vinyl ester primer in areas subject to severe chemical exposure & spillage, such as acid plants, chemical bund areas, battery rooms, loading bays, mineral refineries, chemical plants, water & waste treatment plants, paper & pulp plants, sugar refining, food factories, dairies & breweries.

PROPERTIES

FedPrime -VE has 200% the adhesive strength on steel and stainless steel substrates when compared to standard vinyl esters and/or related primers. It also has very good chemical resistance.

PERFORMANCE DATA

<u>Description</u>	<u>Results</u>
Pot Life (Minutes)	35 min (25°C)
Specific Gravity	0.98
Touch Dry (Hours) @ 25°C	4 hrs
Over Coating Time (Hours) @ 25°C	6 - 48 hrs
Hard Dry (Hours) @ 25°C	10 hrs
Walk on Dry (Hours) @ 25°C	18 hrs
Full Cure @ 25°C	3 days
Pack Size	5kg kits
Volume Solids	98%
Theoretical Coverage (m ²)	19m ² p/kg @50µm DFT
Application Temperature	10 – 40°C
Shelf Life	6 months

ADVANTAGES

- Good chemical resistance to most acids and alkalis
- High temperature resistance
- Very good adhesion to steel & s/steel substrates
- Can be applied by airless spray or brush & roller (stripe coating & small areas only)

SURFACE PREPARATION

Mechanical preparation of the substrate is important. The substrate should be structurally sound and free of oil, dust and debris, grease, paint, corrosion deposits, laitance or other surface deposits.

The surface should be prepared by grit blasting or as per standard practice to expose aggregate surface or to achieve necessary cleanness & roughness. Steel substrates should be grit blasted to Sa3 (ISO 8501-1) prior to application.

MIXING

Add 1.5% of Part B to part A and mix using a mixer with a mixing paddle at medium speed for 2-3 minutes until both components have fully dispersed and is homogenous. Ensure to rotate the mixer inside the container and into the corners of the container.

APPLICATION

Apply **FedPrime -VE** at the specified thickness using high pressure airless spray equipment, (brushes and rollers may be used for stripe coating and small areas) to a cleaned and prepared surface. Practical spread rates will vary according to spray/application losses and surface profile. **This product is for professional use only. The applicators and operators must be trained, experienced and have the ability and equipment to apply the coatings correctly and according to specification.** Applicators and operators must use the appropriate PPE when using this product.

CLEANING

Clean hands and skin immediately after use with industrial hand cleaner.

Clean tools and equipment immediately after use with Acetone or MEK.

LIMITATIONS

- Working temperatures between 10 and 40°C (Air & Substrate).
- Will not accommodate excessive movement or cracks in the substrate.
- Avoid excessive application to reduce possibility of sagging.
- Avoid contact with skin.
- Do not release into sewer or surface water.
- Contact Federal Industrial Linings to stipulate chemical resistance against specific products.

STORAGE AND STABILITY

Shelf life is 6 months when stored in unopened containers in a cool & dry place.

Failure to do so will result in a reduction of shelf life.

SAFETY AND HANDLING

FedPrime -VE contains harmful chemicals. Use only with adequate ventilation. Avoid breathing of vapours and prolonged or repeated skin contact. Protective clothing and gloves should be worn when handling this product. All sources of ignition should be removed. If exposed, eyes should be well flushed with water for 15 minutes and medical attention must be sought instantly. This product is for professional use only. The applicators and operators must be trained, experienced and have the ability and equipment to apply the coatings correctly and according to specification. Applicators and operators must use the appropriate PPE when using this product. The safety procedures applicable to the handling of chemical materials should be read, understood and rigidly adhered to.

The information contained in this data sheet is, to the best of our knowledge true and accurate, but any recommendations or suggestions which may be made, are without guarantee, since the conditions of use are beyond our control. Furthermore, nothing contained herein shall be construed as a recommendation to use any product in conflict with existing patents covering any material or its use.