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TECHNICAL DATA SHEET

FEDCOAT - UVH

DESCRIPTION

FedCoat UVH is a two component UV Stable (aliphatic) poly-ester based polyurethane coating. It has a high gloss finish and is a high solids, fast drying, marine grade product. The coating is flexible, impact & abrasion resistant and has good chemical resistance to mild acids & alkalis as well as petroleum products & salt water.

FedCoat UVH can be tinted and is available in any RAL spectrum colour. To be used as a UV stable final coat in atmospheric conditions.

PRINCIPLE USES

FedCoat UVH is recommended as a UV stable top coat for most steel structures in atmospheric conditions. It can be applied over a wide range of primers & mid-coats as well as chemically resistant & surface tolerant epoxy coatings.

FedCoat UVH is endorsed as an industrial strength, aesthetically pleasing final coat in the Agricultural, Mining, Petro-Chemical, Food, Marine, Waste-Water, Military, Construction, Paper & Pulp, & Power Generation industries, as well as many other industries.

PERFORMANCE DATA

Description

Results

Pot Life (Minutes)	4 hrs (25°C)
Mix Ratio	4 : 1 (by volume)
Specific Gravity (g/ml)	1.2
Touch Dry (Hours) @ 25°C	1 hrs
Open Time / Over Coating Time @ 25°C	4 - 24 hrs
Hard Dry (Hours) @ 25°C	8 hrs
Walk on Dry (Hours) @ 25°C	24 hrs
Full Cure @ 25°C	5 days
Kit Size	5lt / 20lt
Volume Solids	52% (+-1)
Theoretical Coverage (m ²)	7m ² p/lt per coat @ 70µm DFT – Excludes wastage
Indicated WFT / DFT	135µm / 70µm
Service Temperature (Atmospheric)	90°C
Shelf Life	12 months

ADVANTAGES

- Low viscosity – easily applied by brush , roller, or airless spray
- Extended pot life
- Excellent UV Stability
- High bond strength
- Colour stability over extended periods
- Compatible top coat with a wide range of coating and lining systems
- Flexible yet durable
- Quick drying
- Adhesion promoted
- Impact & abrasion resistant
- Resistant to most dilute acids and alkalis, petroleum products and salt water
- High quality Marine grade coating

MIXING

Premix base (Part A) and shake hardener (Part B) to disperse any settlement. Add all 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.

A max of 5% **FedThin Polyurethane thinners** is advised only if required. Only mix full packs.

APPLICATION

Apply **FedCoat UVH** in a single coat at the recommended thickness (135µm WFT / 70µm DFT per coat) using an airless sprayer, brushes and/or rollers to a cleaned and prepared surface. A written specification always supersedes any application guideline. Do not exceed 300µm WFT as it will result in “mud cracking” as it dries.

Apply subsequent coats within 6 to 24 hours after application. Should the over coating time be exceeded roughen the surface & wash the coating off with high pressure fresh water or solvent wipe to remove any surface salts prior to over coating.

CLEANING

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

Clean tools and equipment immediately after use with **FedThin Polyurethane Thinners**.

LIMITATIONS

- Application temperatures between 10 and 40°C.
- Max service temperature (dry) is 90°C.
- Will not withstand harsh & aggressive chemical environments.
- Avoid excessive application.
- Avoid contact with skin.
- Do not release into sewer or surface water.

STORAGE AND STABILITY

Both **FedCoat UVH** Part A and Part B have a shelf life of 12 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

FedCoat UVH 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 bulletin 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.