protective coatings
and resin flooring

PRODUCT DATA

EPOLASTIC RP

PRODUCT DESCRIPTION
Epolastic RP is an aluminum-pigmented, low stress, high solids epoxy mastic with excellent performance over minimal surface preparation of steel substrates. Its unique formulation utilizes aluminum flakes to provide unmatched levels of barrier protection and corrosion resistance over various metal substrates.

PACKAGING
Epolastic RP is packaged in units for easy handling. Each unit consists of:

(1) 1 gallon can of Resin
(1) 1 gallon can of Amine

COVERAGE
At a nominal 5 mil thickness, each unit of Epolastic RP will cover approximately 27 m^2 (290 ft^2). This amounts to an application rate of 0.40 kg/m^2.

STORAGE CONDITIONS
Store all components of Epolastic RP between 5 and 30°C (41 and 86°F) in a dry area. Avoid excessive heat and direct sunlight. Do not freeze. The shelf life of the material is 3 years in the original, unopened container.

SUBSTRATE
Epolastic RP is suitable for application over properly prepared steel in both immersion and non-immersion applications, as well as aluminum and galvanized substrates.

SUBSTRATE PREPERATION
Proper mechanical preparation is critical to ensure an adequate bond and system performance. The substrate must be clean, dry and free of contamination before material application. Questions regarding substrate preparation should be directed to an API USA representative.

PRIMING/UNDERLAYMENT
Epolastic RP is a self-priming material, so the use of Primer per Metalli is not required prior to Epolastic RP application.

TOPCOATS
Epolastic RP may be coated with acrylics, epoxies, alkyds, or polyurethanes, depending on exposure and need.

PHYSICAL CHARACTERISTICS

Density.....1400.0 kg/m^3
VOC Content.....88 g/L (ASTM D-3960)
Percent Solids.....90%
Flash Point.....24°C (75.2°F)
Pot Life.....120 min (@23°C/74°F)
Recoat Time.....24 hours (@23°C/74°F)
Cure Rate.....8 hours for initial set (@23°C/74°F) 24 hours for light traffic
7 days for ultimate physical properties

Note: The above physical properties were measured in accordance with the referenced standards. Samples of the actual floor system, including binder and filler, were used as test specimens. All sample preparation and testing is conducted in a laboratory environment. Values obtained on field applied materials may vary, and certain test methods can only be conducted on lab-made test coupons.

MIXING EPOLASTIC RP
Proper mixing is critical for the products to exhibit the proper application, cure and physical properties.

1. Pre-mix both parts separately with a heavy-duty, slow-speed drill (400-600 rpm) with a Jiffy Mixer until homogenous.
2. Empty the contents of the base and hardener into a clean container and mix for 60 seconds. Do not mix partial kits.

APPLYING EPOLASTIC RP
Epolastic RP may be applied by conventional or airless sprayer, by roller, or brush. If applying by roller or brush, multiple coats may be required to obtain desired finish, recommended thickness, and adequate hiding.

RECOMMENDATIONS

- Apply only to clean, sound, dry and properly prepared substrates.
- Application and curing times are dependent upon ambient and substrate conditions.
- Minimum ambient and substrate temperatures are 5°C (41°F) at the time of application. However, it is not advisable to apply the material if the temperature is below 10°C (50°F).
- Maximum ambient and substrate temperatures are 35°C (95°F) at the time of application.
- Substrate temperature should be greater than 3°C (5°F) above the dew point.
- Do not apply material if the relative humidity exceeds 85%.
- Dispose of waste materials in accordance with government regulations.
- Clean all equipment immediately after use with scouring pads and acetone. Hardened material will require mechanical means for removal.

PRECAUTIONS

- The use of safety glasses and impervious gloves is required during application.
- Avoid contact with all liquids as they may cause skin and/or eye irritation. In case of contact, flush the area with copious amounts of water for at least 15 minutes and seek medical attention.
- Wash hands thoroughly with soap and warm water after use.
- Use only with adequate ventilation.

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