



TRIMITZPOX TIECOAT TZ 411

Product Description

Two component surface tolerant polyamine cured modified epoxy primer and intermediate/tie coat tar free for antifouling marine system

Recommended Use

As a primer and tie coat special for new building/maintenance with the minimum surface preparation

Characteristics

- Self priming surface tolerant to lower grades of steel preparation for atmospheric exposure
- Good flexibility and abrasion resistance
- Compatible with various aged coatings
- Good intercoat adhesion with antifouling

Physical Data

Color	Grey
Gloss level	Semi-Gloss
SG	
Volume Solid	Approx. 65%
Dry Film Thickness	75 - 200 microns per coat
Number of Coat	1
Theoretical Coverage	8.60 sq.m/ltr for 75 microns
Temperature Resistance	Continuous : 93°C (dry) 22°C (wet) Intermittent : 175°C (dry) 22°C (wet)
VOC	168 g/ltr
Flash Point	Base : 55°C Hardener : 29°C
Shelf Life	At least 12 months
Pack Size	
20 litres unit	Base : 16 litres , Hardener : 4 litres

Surface Preparation

Steel

- Dry abrasive blast in accordance with ISO - Sa 2 or SSPC - SP 6 "Commercial".
- Blast to achieve an anchor profile of 25 microns as determined with a Keane Tator Surface Profile Comparator.
- Remove abrasive residue or dust from surface.
- However when this is impossible, can be applied over mechanically cleaned surface, hand tool or power tool to St 2 or St 3.
- Old coating system, sufficiently roughened, cleaned and dry.

Aluminum and Galvanizing

- Light abrasive blast

Concrete

- Abrasive blast to ASTM D 4259



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Application Data

Application Methods

Airless Spray

Nozzle Tip	0.46 - 0.58 mm (0.018 - 0.023 inch)
Nozzle Pressure	10 MPa (approx. 1400 psi)

Conventional Spray

Nozzle Tip	1.8 - 2.0 mm (0.071 - 0.079 inch)
Nozzle Pressure	0.3 MPa (approx. 43 psi)

Mixing Ratio By Volume

Base : Hardener = 4 : 1

Thinner

Thinner Trimitz 920

Cleaner

Thinner Trimitz 930

Surface Temperature

Should be 10°C - 49°C, at least 3°C above the dew point to prevent condensation

Drying Time

Touch Dry	5 hours at 25°C, 3 hours at 32°C
Through Dry	16 hours at 25°C, 8 hours at 32°C
Overcoating	
Minimum	12 hours at 25°C, 7 hours at 32°C
Maximum	3 months (roughened and dry)
Full Cure	7 days

Pot Life

2 hours at 25°C, 1 hour at 32°C

System Compatibility

Primer

- Trimitzpox Primer 471

Topcoat

- Trimitz Antifoulings
(Trimitz AFC/Trimitz AFSP)

For other suitable primers or topcoats, please consult Trimitz Protective Coating.

SAFETY PRECAUTION

Keep away from heat, spark and open flames. Avoid breathing of vapour on skin and eye contact. Keep container closed and store in cool, ventilated area when not in use.

Proper ventilation and protective measures must be provided during mixing, application and drying, to keep vapour concentration within safe limits and to protect against toxic hazard.

Necessary safety equipment must be used and ventilation requirements carefully observed, especially in confined or enclosed spaces, such as tank interior and building.

DISCLAIMER

The information in this product data sheet is given to the best of our knowledge based on laboratory testing and practical experience. If the product is used under condition beyond our control, we cannot guarantee anything but the quality of the products it self. The information in this product data sheet is liable for modification from time to time in the light of experience and our policy of continuous product development, and without further notice.