

PRODUCT SPECIFICATION SHEET:

REPRIME 5506 APZ

PRODUCT DESCRIPTION

REPRIME 5506 APZ is a solvent based epoxy coating designed for the long term protection of steel and concrete structures against corrosion. The coating can be applied to mechanical or abrasive blast clean surfaces and will cure at temperatures as low as 5°C.

TYPICAL APPLICATIONS

Suitable as a stand alone coating or as a primer for certain REPCO products. Typical applications –

External Pipelines
Internal and External storage tank
Sheet and Bearing piles
Structural Steel
process equipment

GENERAL PRODUCT INFORMATION

Appearance

Base: Thin Film Liquid
Activator: Amber Liquid
Mixed: Grey solvent based liquid

Mixing Ratio

By weight: 4.5:1
By volume: 4:1

Density

Base: 1.15
Activator: 1.02
Mixed: 1.12

Solids content

85%

Slump Resistance

Nil at 150 microns

Coverage

Reprime 5506 APZ can be applied in a single coat or as a 2 coat system to properly prepared surfaces.

Brush, roller or spray applications:

The material should be applied at a target thickness of 150 microns per coat. At 150 microns the product will have a theoretical coverage rate of 6.66m² per ltr per coat

Cure Times

At 20°C (68F°) the applied materials should be allowed to harden for the times indicated below before being subjected to the conditions indicated.

Usable life

10°C 4 hours
20°C 2 hours
30°C 60 minutes
40°C 30 minutes

Minimum overcoating time

10°C 12 hours
20°C 6 hours
30°C 3 hours
40°C 90 minutes

Maximum overcoating time

10°C 72 hours
20°C 36 hours
30°C 18 hours
40°C 9 hours

Storage life

The shelf life of the product is typically 5 years if unopened and stored in cool dry conditions (15-30°C/ 60-86F°). Once opened replace the lid firmly and store as above.

HEAT RESISTANCE

Heat Resistance

Suitable for long term water immersion at temperatures up to 40°C°.

Resistant to dry heat in excess of 210°C dependent on load.

CHEMICAL RESISTANCE

Once fully cured the product resists attack by a wide variety of inorganic acids, alkalies, salts (salt water) and organic media. The product is also resistant to mineral oils, lubricating oil and a wide range of hydrocarbons. For further information please refer to the chemical resistant chart or a technical representative.

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MECHANICAL PROPERTIES

Testing is typically done under laboratory conditions at a temperature of 20°C unless otherwise specified.

Adhesion

Tensile Shear when tested in accordance with ASTM D1002 on abrasive blasted mild steel with a 75 micron profile will typically be:

195kg/cm² 2,770 psi 19.0 MPa

Salt Fog Testing

When tested in accordance with ASTM B 117 the product was unaffected after:

10,000hrs exposure

Corrosion Resistance

When tested in accordance with ASTM B117 the material shows unaffected after:

Minimum 10,000 hours Exposure

Humidity Resistance

When tested in accordance with BS 3900 Part F2 typical values will be:

635kg/cm² 9,000psi 62.0 MPa

Hardness

Rockwell R

Tested to ASTM D785 typical value will be: 95

Shore D

Tested to ASTM D2240 typical value will be: 80

TECHNICAL SUPPORT

Zoom Corrosion Technology offer complete technical support and assistance, from discussing application requirements to training approved local contractors. For further information please contact a REPCO representative or your nearest REPCO authorised dealer.

HEALTH AND SAFETY

Please refer to the product safety data sheet for detailed information on handling, storage, shipping and disposal.

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