

# PRODUCT SPECIFICATION SHEET:

## REPRIME 6503 AP

### PRODUCT DESCRIPTION

REPRIME 6503 AP is a solvent-free low viscosity epoxy primer designed to seal concrete and cementitious surfaces. On curing the primer consolidates the surface and ensures excellent adhesion of other coatings systems.

### TYPICAL APPLICATIONS

Ideal for priming concrete and cementitious surfaces such as floors prior, concrete storage tanks, structural concrete.

### GENERAL PRODUCT INFORMATION

#### Appearance

Base: Clear white to pale yellow viscous liquid  
Activator: Clear pale amber liquid  
Mixed: low viscosity straw liquid

#### Mixing Ratio

By weight: 2.24:1  
By volume: 2:1

#### Density

Base: 1.12  
Activator: 1.0  
Mixed: 1.08

#### Solids content

100%

#### Sag Resistance

Nil at 150 micron

#### Coverage Rate

##### Brush, roller or spray applications:

The material should be applied in at a target wet film thickness of 150 microns.

At 150 microns Reprime 6503 AP will have a theoretical coverage rate of 6.66m<sup>2</sup> per ltr per coat.

##### Once cured the coated surface must have a semi gloss finish

where there are signs of excessive porosity in the surface, the coating will have a dull finish. In such circumstances or where pinhole and weak spots are evident a second coat will be required.

#### Cure Times

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

#### Usable life

10°C 50 minutes  
20°C 25 minutes  
30°C 12.5 minutes  
40°C 6 minutes

#### Minimum overcoating time

10°C 6 hours  
20°C 3 hours  
30°C 1.5 hours  
40°C 45 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/ 60-86°F). Once opened replace the lid firmly and store as above.

#### Heat Resistance

Suitable for use in immersed conditions at temperatures up to 60°C.

Resistant to dry heat up to 150°C dependent on load.

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**MECHANICAL PROPERTIES**

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

**Adhesion**

Elcometer pull off adhesion to concrete

Dry

525psi (cohesive in substrate)

37kg/cm<sup>2</sup>

Wet

475psi (cohesive in substrate)

33.4 kg/cm<sup>2</sup>

**Tensile Shear to ASTM D1002**

On abrasive blasted mild steel with 75 micron profile

201 kg/cm<sup>2</sup> 2,860 psi

On rusted steel

167 kg/cm<sup>2</sup> 2,375 psi

**Compressive strength**

When tested in accordance with ASTM D 695, typical values will be:

629kg/ cm<sup>2</sup> 8,945psi 61.7 MPa

**Flexural Strength**

When tested in accordance with ASTM D790 typical values will be:

371kg/cm<sup>2</sup> 5,275psi 36.7 MPa

**Hardness**

**Shore D**

Tested to ASTM D2240 typical value will be: 84

**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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