

PRODUCT SPECIFICATION SHEET: REPCOMP 3301 RESIN WRAP

PRODUCT DESCRIPTION

Repcomp 3301 Resin Wrap is a two component thixotropic solvent free epoxy material used for injection applications, bonding of dissimilar materials and for use in conjunction with a range of tapes and fabrics to produce high strength composite repairs.

TYPICAL APPLICATIONS

The product can be applied to manually prepared surfaces and is ideal for encapsulating problem pipework ranging from 1" - 42" diameter, once cured the system can resist up to 300psi pressure. For injection applications the material can be pumped into voids up to 15mm in depth.

GENERAL PRODUCT INFORMATION

Appearance

Base: White Resin
 Activator: Light Yellow Resin
 Mixed: Opaque Resin

Mixing Ratio

By weight 2:1
 By Volume 2:1

Density

Base 1.15
 Activator 1.15
 Mixed 1.15

Volume Capacity

860cc/kg

Solids content

100%

Slump Resistance

Nil at 3 mm

Coverage

300gms (0.66lb) of fully mixed product will give the following coverage rates –

0.50m ² at 500 Microns	5.3ft ² at 20mil
0.25m ² at 1mm	2.7ft ² at 40mil

Please note that the coverage rates quoted are theoretical and do not take into consideration the profile or condition of the surface being repaired.

Cure Times

The applied material should be allowed to harden for the times indicated below before being subjected to the times indicated.

Usable life

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

Touch Dry

10°C	4 Hours
20°C	2 Hours
30°C	1 Hour
40°C	30 minutes

Hard Dry

10°C	48 Hours
20°C	24 Hours
30°C	12 Hours
40°C	6 Hours

Full Cure

10°C	6 Days
20°C	3 Days
30°C	1.5 Day
40°C	18 Hours

MECHANICAL PROPERTIES

Adhesion

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

148kg/cm ²	2,100 psi
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Pull Off dolly adhesion tested in accordance with ASTM D 4541 on abrasive blasted steel with 75 micron profile

244kg/cm ²	3,480 psi
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Compressive strength

When tested in accordance with ASTM D 695:

1034kg/ cm ²	14,700ps
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Corrosion Resistance

Tested to ASTM B117

Minimum 5000 hours

Flexural Strength

When tested in accordance with ASTM D790

912kg/cm² 13,000psi

Hardness

Rockwell R

Tested to ASTM D785 typical value will be: 85

Storage life

5 years if unopened and stored in normal dry conditions (15-30°C)

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.

HEAT RESISTANCE

Suitable for long term water immersion at temperatures up to 70°

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

HEALTH AND SAFETY

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

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.

Legal Notice: The data contained within this Technical Data Sheet is furnished for information only and is believed to be reliable at the time of issue. We cannot assume responsibility for results obtained by others over whose methods we have no control. It is the responsibility of the customer to determine the products suitability for use. Zoom Corrosion Technology accepts no liability arising out of the use of this information or the product described herein.

RepcO products are manufactured for:
Zoom Corrosion Technology
Pembroke Lodge, 3 Pembroke Road, Ruislip,
HA4 8NQ, England, UK
Tel: +44 (0) 794 934 1074
Email: sales@zoomct.com
www.zoomct.com

