

PRODUCT DESCRIPTION

Repco 3301 Resin Wrap is a two component solvent free epoxy resin used for injection applications, irregular shimming bonding of dissimilar materials, structural adhesive and for use in conjunction with a range of reinforcement tapes and fabrics to produce high strength composite repairs.

- Apply to mechanically & abrasive blast cleaned surfaces
- Ideal for Injecting into voids and creating irregular shims
- Designed as a composite repair solution

TYPICAL APPLICATIONS

- Bonding dissimilar metals such as deck plates
- Injecting into voids or gap filling
- Creating irregular shims or as a chocking compound
- Engineered composite pipe solutions

SURFACE PREPARATION

STEEL SUBSTRATE

Where possible all steel substrates should be abrasive blasted to ISO 8501/4 Standard SA2.5 (SSPC SP10/ NACE 2) and a minimum blast profile of 75 microns using an angular abrasive.

This product is tolerant of less than ideal surface preparation and will adhere to surfaces prepared using hand tools, Mechanical Tools and Hydro-blasting. Where there is corrosion pitting, this should be rebuilt using Repcomp 3302 Epoxy Repair Cement which can also be used to enhance adhesion onto poorly prepared surfaces.

Once blast cleaned, the surface must be degreased and cleaned using MEK or similar type material. All surfaces must be repaired before rusting or oxidation occurs.

MIXING AND APPLICATION

PRECAUTIONS

Ensure the Base component is 15-25°C (60-77°F) before mixing and do not apply when the ambient or substrate temperature is below 5°C (40°F) or less than 3°C (37°F) above the dew point

MIXING

Pour the contents of the Activator unit into the Base container ensuring that as much material is drained from the Activator container as possible. Mix the two components together until they are streak-free using an electric paddle mixer.

APPLICATION

Injection Applications - dispense the product into a one component cartridge up to 1ltr volume (0.25 US gallon). Using a single component injection pump, air fed, the material can be injected into gaps to bond dissimilar materials.

Bonding dissimilar materials – the mixed material can be used to bond a wide range of material including, concrete, plastic and metal. Apply the product using a brush or applicator tool at a wet film thickness range of 1mm – 4mm (40mil – 3/16”).

Encapsulation using reinforcement sheets – the mixed product can be used in conjunction with glass tape, glass cloth, chop strand matting or carbon fibre. The use of a technical fabric is dependent on the type of repair to be performed. Typically, the following repairs are performed with these materials –

3 Layer Pipe Wrap	<ol style="list-style-type: none"> 1. Apply 3301 Resin at 1mm (40mil) WFT Wrap 50/100mm glass tape around pipe with a 50% overlap 2. Apply 3301 Resin at 500 microns (20mil) WFT Wrap 50/100mm glass tape around pipe with a 50% overlap 3. Repeat step 2, and finish with a 500 microns (20mil) coat of 3301 Epoxy Resin
3 Layer Pipe T - Joint	<ol style="list-style-type: none"> 1. Apply 3301 Resin at 1mm (40mil) WFT Cut the glass tape in to strips and lay over the surface where the 2 pipes meet. Ensure there are at least 3 layers of 3301 Resin and Glass tape around the joint area 2. Once the t-Joint area has been coated apply 3301 Resin at 1mm (40mil) WFT to all the repair area wrap 50/100mm glass tape around pipe with a 50% overlap 3. Repeat step 2, and finish with a 500 microns (20mil) coat of 3301 Epoxy Resin

COVERAGE RATES

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

0.50m² at 500 microns 5.3ft² at 20mil
0.25m² at 1mm 2.7ft² 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.

TECHNICAL DATA SHEET: REPCOMP 3301 RESIN WRAP

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. These times will be extended at lower temperatures and reduced at higher temperatures:

Usable life	25 minutes
Touch Dry	2 hours
Hard Dry	24 hours
Full Cure	3 days

OVERCOATING TIMES

Minimum - the material can be over-coated as soon as it is touch dry.

Maximum - the over-coating time should not exceed 8 hours.

Where the maximum over-coating time is exceeded, the material should be allowed to harden before being abraded or flash blasted to remove surface contamination.

UNIT SIZES

Product is available in the following pack sizes –

300gm (0.6lb)
450gm (0.99lb)
6kg (13.2lb)

COLOURS

Mixed Material	Opaque
Base Component	White Gel
Activator Component	Light Yellow Gel

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°).

TECHNICAL DATA

Please see the REPCOMP 3301 Resin Wrap Product Specification Sheet for detailed technical and performance data.

HEALTH AND SAFETY

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

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.

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