

TECHNIREZ R1300 is a solvent free, epoxy resin specifically formulated for use with H1300 hardener that will cure at room temperature, for flow-coating the interiors of hulls and lockers.

The non-sag nature of the system makes the coating of vertical surfaces very easy, and optimum results can be achieved with a single coat applied with a 75mm wide short-bristled fibreglass brush.

The formulation is designed with excellent chemical resistance, and the cured film is tough with good flexibility, that is well suited for engine room environments.

- One coat application
- High gloss level: for ease of cleaning, resistance to dirt pick up, and better appearance.
- Tintable
- Good brushability, self-levelling and easy to mix

**MIX RATIO**

50 parts hardener to 100 parts resin by weight

*Note: Care should be taken when dispensing and mixing. Do not attempt to control the cure time by altering the hardener ratio. Contact ATL Composites for specific information.*

| UNCURED PROPERTIES          |              |                         |
|-----------------------------|--------------|-------------------------|
|                             | R1300        | H1300                   |
| Physical State              | White Liquid | White Thixotropic Paste |
| Viscosity mPas @ 25°C       | 4900         | 8225                    |
| Specific Gravity g/ml@ 25°C | 1.48         | 1.23                    |

| CURE CHARACTERISTICS         |            |
|------------------------------|------------|
| Pot Life -100g@25°C (in air) | 35 minutes |
| Thin film open time @25°C    | 3.75 hours |
| Cure to maximum strength     | 3 days     |
| Mix viscosity @25°C          | 5950       |

**COVERAGE**

1 mixed kilo of R1300/H1300 delivers approx 1.32m<sup>2</sup> depending on surface porosity.

**APPLICATION**

The surface to be coated should be dry and free from contaminants.

Fill and seal any porosity prior to applying R1300. For timber or fibreglass surfaces, ATL Composites recommend a fill coat of WEST SYSTEM® epoxy mixed with 411 Microsphere Blend. Sand lightly to ensure good adhesion.

**IMPORTANT :** Limit Air Exposure - Replace the lid of the hardener container as soon as liquid has been dispensed to avoid contact with oxygen in the air and the formation of a rubber-like layer / skin occurring. If a skin does form, it should NOT be blended or otherwise mixed into the remaining liquid - pour the remainder into a new and clean container and seal tightly.

For larger areas , mixing batches of 1 kg at a time is recommended.

*R1300/H1300 Flowcoat is not to be thinned under any circumstances, as it has been formulated to optimal viscosity for this specific application.*

**TINTING**

WEST SYSTEM® 502 Black pigment can be blended into the R1300 resin, prior to adding hardener, at various weight percentages (1-6%) to create different shades of grey if desired.

Note: For large areas, a master batch of pigmented resin should be blended to prevent colour variation, and then hardener can be added into the individual mixing batches as required.

|   |  |
|---|--|
| <p><b>A.</b><br/>British Paints®<br/>Cold Metal W 422</p> <p>1wt%</p>   | <p><b>B.</b><br/>British Paints®<br/>Tabloid W 424</p> <p>2wt%</p>           |
| <p><b>C.</b><br/>British Paints®<br/>Systematic MID 426</p> <p>4wt%</p> | <p><b>D.</b><br/>British Paints®<br/>Heavy Metal EDT<br/>427</p> <p>6wt%</p> |

*Note: The different shades of grey have been selected from the British Paints® range as an indicative guide to the colours that could be achieved with the addition of various pigment percentages. The colours shown should be used as a guide only, and a sample batch should be mixed to verify the final colour prior to application.*

| PACK SIZES |       |            |        |        |
|------------|-------|------------|--------|--------|
| Order Code |       | Order Code |        | PACK   |
| Resin      |       | Hardener   |        |        |
| RB1300     | 1 kg  | HB1300     | 0.5 kg | 1.5 kg |
| RC1300     | 4 kg  | HC1300     | 2 kg   | 6 kg   |
| RD1300     | 20 kg | HD1300     | 10 kg  | 30 kg  |

### STORAGE

TECHNIREZ R1300 resin and H1300 hardener will keep for 2 years if kept in original containers at room temperature (15°C to 32°C), and out of direct sunlight. Containers should be tightly sealed to prevent moisture absorption.

### HEALTH AND SAFETY

TECHNIREZ R1300 resin and H1300 hardener have moderate sensitising potential, and should be kept out of the eyes and off the skin.

- Use with good ventilation and adequate safety equipment including impervious gloves and safety glasses.
- If skin contact occurs, remove contaminated clothing immediately, and wash the affected area thoroughly with ATL's 845 hand cleaner and water, avoiding the use of solvents except in the case of massive contamination.
- If eye contact occurs, immediately flush with running water for at least 15 (fifteen) minutes and seek medical advice.
- If swallowed:

**Resins** - DO NOT induce vomiting, and contact a doctor or the Poisons Information Centre.

**Hardeners** - DO NOT induce vomiting, give plenty of milk or water and contact a doctor or the Poisons Information Centre.

NOTE Our products are intended for sale to industrial and commercial customers. We request that customers inspect and test our products before use and satisfy themselves as to contents and suitability. Nothing herein shall constitute a warranty, express or implied, including any warranty or merchantability or fitness, nor is protection from law or patent to be inferred. All patent rights are reserved. The exclusive remedy for all proven claims is replacement of our materials and in no event shall we be liable for special or consequential damages. 24/9/14