

# RESI ART

## TECHNICAL DATA SHEET

### RESI UV

#### PRODUCT DESCRIPTION

Resi Art presents Resi UV, your shield against the sun's damaging effects on resin art. Crafted with advanced polyaspartic technology, this topcoat forms a robust barrier, preventing discolouration and darkening caused by UV exposure. Trust Resi UV to safeguard your artwork and maintain its original brilliance.

#### FEATURES & BENEFITS

- UV Resistance and protectant
- Australian Made
- High gloss
- Clear water-like finish
- Excellent adhesion
- Self-levelling
- Low viscosity
- Excellent chemical resistance
- User friendly
- High durability
- Seamless
- Food contact safe
- Good abrasion resistance
- High tensile strength
- Fast Cure - allowing rapid turnaround time
- Extended pot life

#### RECOMMENDED USES

- River tables - UV Top Coat only
- Artwork



PHOTO BY THE SLAB LADS



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#### PRODUCT INFORMATION

**Shelf Life** 1 year unopened or 3 months opened stored in a cool, dry area and out of direct sunlight  
**Mixing** (1:1) 1 Part Resi UV (Part A): 1 Part Resi UV Hardener (Part B)  
**Coverage** 4 - 6m<sup>2</sup>/L Depending on the method of application and porosity of the surface.  
**Clean Up** Clean tools with 150 Epoxy Thinners while still wet and discard rollers and brushes

**Cure Schedule** **Pot Life:** 30 - 45 minutes  
**Tack Free Time:** 4 hours.  
**Shore Hardness:** 24 hours  
**Max Recoat Time:** 24 hours without sanding  
**Full Chemical Cure:** 7 days.

#### PHYSICAL PROPERTIES

|                               |                           |  |   |
|-------------------------------|---------------------------|--|---|
| <b>Solids Content</b>         | 660% >                    | <b>Taber Abrasion Resistance</b>                     | ASTM D4060: <1000mg loss  |
| <b>Hardness</b>               | Pencil-2H<br>Pendulum-160 | <b>Volatile Organic Compounds</b>                    | ASTM D23698: Very High  |
| <b>Impact Resistance</b>      | High                      | <b>Water Absorption (%)</b>                          | ASTM D570: 0.5  |
| <b>Tensile Strength (psi)</b> | ASTM D412: 6,500          | <b>Water Vapour Transmission</b>                     | ASTM E-96   |
| <b>Cured Film Hardness</b>    | ASTM D2240:65 ±2 Shore D  | <b>Rate of Transmission, grains/h ft<sup>2</sup></b> | 0.58  |
| <b>Tear Resistance</b>        | ASTM D624:400 ± 50 pli    | <b>Permeance (perm, in-lb)</b>                       | 1.39  |
| <b>Tensile Strength</b>       | ASTM D412:3000 ± 200 psi  | <b>QUV Weather Meter, 4,000 hours</b>                | Oxidation: no effect<br>Loss of Gloss: no effect<br>Blistering: no effect<br>Yellowing: no effect |
| <b>Ultimate Elongation</b>    | ASTM D142:100 ± 20%       |  |   |
| <b>Elongation</b>             | ASTM D412:100 ± 20%       |  |   |

#### SURFACE PREPARATION

Surfaces must be clean, dry and free from all traces of contaminants, loose materials, old coatings, curing compounds and other chemical agents like grease, oil and cleaners. Substrates which are heavily impregnated with contaminants must be cleaned via suitable solvent cleaning and decontamination methods.

Structurally unsound layers and surface contaminants must be mechanically removed by sanding or other methods. Substrates heavily impregnated with oil must be cleaned by grinding, sanding or suitable solvent cleaning methods.



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#### PRODUCT APPLICATION

Surfaces must be dry, clean, and free of foreign matter. Resi UV can be applied with a roller, brush, or by low-pressure spray. Sparta60 should be applied at a maximum area of 6-8m<sup>2</sup>/L.

Part A and B should be gently shaken or stirred individually before combining. It is recommended that the temperature of each component is between 15-25°C for optimal pot and working time. Do not mix more product than can be applied in 30 minutes.

Add equal parts by volume (1:1) to a clean dry bucket. Mix slowly with a paddle type powered mixer until a homogenous mixture is obtained. This should take approximately 2 minutes. Use care to ensure all product on the sides and bottom of the mixing container are combined thoroughly.

#### CAUTIONS

- Caution should be taken in relation to the quantity of each batch mix size, application time and thickness of application. Larger mixes can cure substantially faster.
- Equipment should be cleaned immediately after use with 150T Epoxy Thinners.
- The clear coating may turn opaque and cloudy due to moisture penetration, especially in exterior applications.
- Containers that have been opened must be used as soon as possible.
- Do not use where rising damp is an issue.
- **Maximum recoat time is 24 hours. If 24 hours is exceeded sand the existing coat prior to recoating.**
- Avoid moisture exposure for the first 12 hours after application as this may cause discolouration to the finished outcome.
- **All solvents, acids, and fuels should be cleaned up within 24 hours.**
- Spills, including water, should be cleaned up as soon as possible.
- **Do Not** apply at depth
- **Do Not** apply directly to the timber itself
- Caps must be kept on the containers so the product has minimal exposure to air or moisture.

