RESI ART

CREATIVE RESINS

Resi UV

TECHNICAL DATA SHEET

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
- Australian Made
- 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 - 6m2/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

Solids Content	660% >
Hardness	Pencil-2H Pendulum-160
Impact Resistance	High
Tensile Strength (psi)	ASTM D412: 6,500
Cured Film Hardness	ASTM D2240:65 ±2 Shore D
Tear Resistance	ASTM D624:400 ± 50 pli
Tensile Strength	ASTM D412:3000 ± 200 psi
Ultimate Elongation	ASTM D142:100 ± 20%
Elongation	ASTM D412:100 ± 20%
Taber Abrasion Resistance	ASTM D4060: <1000mg loss
Volatile Organic Compounds	ASTM D23698: Very High
Water Absorption (%)	ASTM D570: 0.5

Water Vapour Transmission	ASTM E-96
Rate of Transmission, grains/h ft2	0.58
Permeance (perm, in-lb)	1.39
QUV Weather Meter, 4,000 hours	Oxidation: no effect Loss of Gloss: no effect Blistering: no effect Yellowing: no effect

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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 contaminates 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.

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 6-8m2/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.

CAUTION

- 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.