

# RESI ART

## TECHNICAL DATA SHEET

### RESI GLAZE

#### PRODUCT DESCRIPTION

Unleash your creativity with Resi Glaze by Resi Art, the ultimate glazing epoxy resin. Experience a crystal-clear finish that stays vibrant over time, thanks to its low yellowing formula. Watch as it effortlessly self-levels, transforming your artwork into a flawless masterpiece. With fast curing and easy application, Resi Glaze is the go-to choice for artists seeking perfection. Resi Glaze is designed for thin film application and pours specifically under 4mm. It has a hazy appearance in the container thanks to its premium self-levelling additives but cures clear & extremely hard.

#### FEATURES & BENEFITS

- Excellent bubble dispersion
- Australian Made
- High gloss
- Clear water-like finish
- Excellent adhesion
- Self-levelling
- No VOC's (Volatile Organic Compounds)
- Low viscosity
- Excellent chemical resistance
- User friendly
- High durability
- Seamless
- Solvent free
- Low heat when curing
- Food contact safe

#### RECOMMENDED USES

- River tables
- Self-level systems
- Artwork



PHOTO BY THE SLAB LABS

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#### PRODUCT INFORMATION

|                        |  |
|------------------------|--|
| <b>Shelf Life</b>      | 2 years. Store in a cool, dry area and out of direct sunlight                              |
| <b>Mixing</b>          | (2:1) 2 Parts Resi Glaze (Part A): 1 Part Resi Glaze Hardener (Part B)                     |
| <b>Heat Resistance</b> | Epoxy will not begin to soften until 90°C.   |
| <b>Coverage</b>        | 4 - 6m <sup>2</sup> /L Depending on the method of application and porosity of the surface. |
| <b>Clean Up</b>        | Clean tools with 150 Epoxy Thinners while still wet and discard rollers and brushes        |

|                      |                                    |
|----------------------|------------------------------------|
| <b>Cure Schedule</b> | <b>Pot Life:</b> 45 minutes        |
|                      | <b>Tack Free Time:</b> 12 hours.   |
|                      | <b>Shore Hardness:</b> 48 hours    |
|                      | <b>Max Recoat Time:</b> 72 hours   |
|                      | <b>Full Chemical Cure:</b> 7 days. |

#### PHYSICAL PROPERTIES

|                                  |                                |                                    |                 |
|----------------------------------|--------------------------------|------------------------------------|-----------------|
| <b>Solids Content</b>            | 100 %                          | <b>Heat Distortion Temperature</b> | ASTM D648: 50°C |
| <b>Finish</b>                    | Clear, Gloss                   |                                    |                 |
| <b>Abrasion Resistance</b>       | Very Good                      |                                    |                 |
| <b>Rate of Burning</b>           | ASTM D635: Self-extinguishing  |                                    |                 |
| <b>Compressive Strength</b>      | ASTM D695: 12,000 psi          |                                    |                 |
| <b>Tensile Strength</b>          | ASTM D638: 3,900 psi           |                                    |                 |
| <b>Elongation at Break</b>       | ASTM D638: 7.00%               |                                    |                 |
| <b>Taber Abrasion Resistance</b> | ASTM D4060: < 0.1g loss        |                                    |                 |
| <b>Water Absorption</b>          | ASTM D570: 0/07% (2 hour boil) |                                    |                 |
| <b>Flexural Strength</b>         | ASTM D790: 7,800 psi           |                                    |                 |
| <b>Shore D Hardness</b>          | ASTM D2240: 84                 |                                    |                 |
| <b>Bond Strength to Wood</b>     | 100% Wood Failure              |                                    |                 |

#### 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

Mix 2 Parts A with 1 Part B (2:1) by volume. Mix with a drill mixer at a slow speed for 2 minutes. Ensure the sides and bottom of the container/bucket are mixed. Tilt the drill to the side to ensure the product on top of the container/bucket is mixing in with the product on the bottom. Avoid introducing bubbles by keeping the mixer below the surface line and not mixing at a high speed. In normal curing conditions, the Resi Glaze Kit does not require an induction time and coating can begin immediately after mixing.

It is recommended to leave the resin cure in an air-conditioned room set to 20°C, until tack free.

**Note: Priming with deep cast is not advisable.**

#### CAUTIONS

- Thoroughly mix Part A and Part B using a powered drill with a paint mixing attachment for 2 minutes. Ensure that all materials on the sides and on the mixer are combined thoroughly.
- The mix ratio is calculated by product volume. **NOT BY PRODUCT WEIGHT**. Mixing products by weight may result in an unsatisfactory cure time or failure of the mix to cure entirely.
- **Resi Glaze is not suitable for deep pours or depths over 4mm due to loss of clarity. Refer to Resi Clear, Resi Cast.**
- All epoxies will reach a higher temperature when using additives or tints.

