



PREMIUM Heat Resist

PRODUCT DATA SHEET

PRODUCT: Premium Heat Resist is an ambient temperature curing, optically transparent, solvent free, high gloss epoxy coating/casting resin. Excellent surface heat resistance up to 90°C. Long open time (approx.1.5hrs).

PROPERTIES & USES: Premium Heat Resist resin produces a high gloss, optically clear, attractive finish. It is self-levelling, can be turned, cut, sanded and polished making it ideal for the following applications:

- Sealing and coating of artwork/paintings made with Acrylic paint, Oil paint & Watercolour paints
- Sculptures and mould castings (up to 1000cc in volume)
- Tabletops, bar counters and kitchen worktops
- Penny floor and pigmented epoxy floor applications

APPLICATION: By pouring, brush or roller.

VISCOSITY: @20°C (68°F)
 Resin 5000 – 5500 mPa.s.
 Hardener 500 – 550 mPa.s.
 Mixed Viscosity 1500 – 1600 mPa.s.

COLOUR:
 Resin Clear – Transparent
 Hardener Clear – Transparent

SPECIFIC GRAVITY: @20°C (68°F)
 Resin 1.11 – 1.15 g/cm³
 Hardener 0.94 – 0.96 g/cm³

MIXING RATIO: By Weight / Volume
 100 parts Resin
 50 parts Hardener

COVERAGE:
 (applied 0.5mm thick) 1m² per 0.5 litre mixed resin
 (applied by brush
 2-3micron thick) 1m² per 0.25 litre mixed resin

PRACTICAL WORKING TIME: @20°C (68°F)
 (250g mixed resin) 1½ – 1¾ Hours
 (500g mixed resin) 1 Hour 10 Minutes

GELTIME: @20°C (68°F)
 (250g mixed resin) 2 Hours
 (500g mixed resin) 1 Hour 30 Minutes
 (5mm casting) 4–4½ Hours
 (2mm coating) 12 Hours

SETTING TIME: @20°C (68°F)
 (250g mixed resin) 2–2½ Hours
 (500g mixed resin) 1 Hour 35 Minutes
 (5mm castings) 12 Hours
 (2mm coating) 24 Hours

TOUCH DRY: @20°C (68°F)
 24 Hours

HARDNESS:
 (Cured 24 Hours /25°C (77°F) Shore D: 75 – 80
 Hardness at 60°C (140°F) Shore D 50 – 55

MINIMUM APPLICATION TEMPERATURE: 10°C (50°F)

STORAGE STABILITY: Stored under dry and cool conditions in sealed packaging: 12 months.

TOXICITY: Non-toxic at ambient temperatures, very low skin irritation potential. However, gloves should be worn and adequate ventilation must be ensured during application.

NOTICE: The technical specification and/or our technical advice, whether verbal, in writing or by trials, is given in good faith and based on our test results obtained but without warranty. It does not release the user from the obligation to test the products supplied by us or any third party as to the suitability for the intended application.

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