



# HEATRESIST™

## Heat-Resistant Resin For Coating & Casting



HeatResist™ is an optically clear epoxy resin system formulated with excellent UV stability and a long working time of up to 80 minutes (depending on size). HeatResist™ is suitable for coating and casting of small objects (up to 20mm deep or <1 litre) that require hardness, durability and surface heat resistance of 80 to 95°C. It is ASTM certified non-toxic, solvent-free and safe for incidental contact with food once fully cured. If used as a clear coating, amine blush may occur. This resin has a low odour.

### Key Advantages

- Low viscosity
- Long working time
- Great bubble release
- High heat resistance
- UV-resistant
- VOC-free, solvent-free
- Nonylphenol-free
- Safe for food contact

### Recommended for

- Coating & shallow casting of objects that require surface heat resistance of 80-95°C

Mix Ratio (Resin : Hardener)	By weight - 2:1 By volume - 2:1
Mixed Viscosity (at 250g mixed mass)	1,500 - 1,600 mPa.s
Working Time (at 250g mixed mass)	60 - 80 mins
Curing Time	Hard cure: 24 hours Full cure: 5 - 7 days
Heat Resistance* (Clear, Fully cured)	80 - 95°C
Hardness* (Clear, Fully cured)	Shore 75 - 80D

\*The addition of pigments will lower the heat resistance and hardness

Note: Due to its long open time, a phenomenon known as amine blush may occur if the resin is used as a clear coating. This effect tends to occur in high humidity or windy conditions / aircon. To mitigate this, you may pre-warm the resin (Part A) before mixing it with the hardener (Part B).

**SHELF LIFE:** When stored under dry and cool conditions in sealed packaging, the resin has a shelf life of 2 years. Once opened, the shelf life is 1 year. However, resin does not actually expire. When it is reaching the end of its shelf life, it simply oxidises (turns yellow). Oxidised resin can still be used for pigmented resin pieces.

**SAFETY:** Adult supervision required. Keep out of reach of children. Follow product usage instructions included with the product and wear personal protective equipment. For more information on safety, please refer to the SDS available at resinplay.sg.

**NOTICE:** The technical specifications and information is given in good faith and based on our test results obtained but without warranty. The information may differ when the resin is used in different environments, when other additives or pigments are added, or due to any user or external-related factors. The application, use and processing of the products are beyond our control and Resin Play in respect of any sale of its products shall be determined by the terms of its conditions of sale.

