



ARTCAST™

Low Viscosity Resin For Shallow Casting



ArtCast™ is an optically clear epoxy resin system with excellent UV resistance. This resin is suitable for shallow casting of small objects such as jewellery, coasters and keychain pendants. Due to its low viscosity and long working time of up to 90 minutes (depending on size), it has excellent bubble release. It cures very rigid and is highly durable, with a temperature resistance of 70 to 80°C. It is solvent-free, which makes it safe for incidental contact with food once fully cured. This resin has a mild odour.

Key Advantages

- Crystal clear clarity
- Low viscosity
- Long working time
- Great bubble release
- UV-resistant
- VOC-free, solvent-free
- Safe for food contact

Recommended for

- Shallow casting (up to 20mm) of small objects that require hardness

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| Mix Ratio (Resin : Hardener) | By weight - 2:1 By volume - 2:1 |
| Mixed Viscosity (at 250g mixed mass) | 1,200 - 1,300 mPa.s |
| Working Time (at 250g mixed mass) | 60 - 90 mins |
| Curing Time | Hard cure: 24 hours Full cure: 5 - 7 days |
| Heat Resistance* (Clear, Fully cured) | 70 - 80°C |
| Hardness* (Clear, Fully cured) | Shore 80 - 85D |

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

Note: Due to its chemical properties, ArtCast™ is recommended for casting only, as a phenomenon known as amine blush may occur if it is used as a clear coating. Amine blush may appear as a cloudy or cell-like cluster film on the surface of your cured resin. If you require a resin for clear coating, we recommend using ArtCoat™ or Non-Toxic 2-in-1™.

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: For professional use only. 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.

