

flow RESINS

Technical Data Sheet

Issue Date: 01/10/2021

Product Name:

ART FLOW

Product Description:

ART FLOW is a high gloss, crystal clear, self-levelling epoxy resin coating system with a simple 1-to-1 mixing ratio. ART FLOW is perfect for coating (and creating) beautiful resin art pieces, serving boards and coasters. It is also excellent for creating a clear, glass-like coating over artwork, woodwork, bar and table tops.

Product Highlights:

No VOCs (Volatile Organic Compounds), exceptional self-levelling characteristics, excellent clarity, excellent bubble dispersion, and good thermal stability at temperatures between 20°C to 65°C.

Physical Properties:

Part A

Viscosity at 25°C	mPa.s 13,000
Specific Gravity at 25°C (g/cm ³)	1.16
Colour	Clear liquid

Part B

Viscosity at 25°C	mPa.s 2,500
Specific Gravity at 25°C (g/cm ³)	0.90 – 0.95
Colour	Clear liquid

Handling Properties:

Mix Ratio - Part A : Part B (by volume)	100 : 100
Pot Life (200g Sample) @ 25°C	30 minutes
Peak Exotherm (200g Sample) @ 25°C	110°C
Handling Time @ 25°C	16 - 24 hours
Full Cure	7 days
Hardness	Shore D : 91-92

Instructions:

Make sure the surface to be coated is clean and free from oils, solvents and dust. ART FLOW should be mixed by volume with equal parts of Part A and Part B in a clean, plastic measuring container. It is very important to mix thoroughly for a minimum of 3 minutes scraping the sides and bottom of the container to ensure the mixture is completely combined. The product sets in around 12 hours and produces a hard finish when cured (7 days).

1 litre of ART FLOW covers approximately 1.3 square metres of surface area.

Pour the mixture onto the surface and spread with a clean, high-quality brush or squeegee. It is common to use a hot air gun or butane torch to assist with breaking surface bubbles however, care must be taken not to concentrate heat in one place for more than 1 second as it may cause the surface to burn, cure instantly and ripple irreparably.

ART FLOW will self-level and cure with a high gloss finish. Sanding and polishing is not required.

Please note that when coating at low temperatures (below 25°C) pot-life and cure times may vary greatly from those outlined in this technical data sheet. Conversely when coating at temperatures higher than 25°C pot-life and cure times will be considerably faster than outlined above.

We recommend placing a cover over the object once coated to protect it from dust particles whilst still curing.

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Extra care MUST be taken to ensure thorough mixing of Part A and Part B. Ensure all coating is performed in a well ventilated area as some vapours will be released at these curing temperatures. PPE is recommended. Please refer to the safety data sheet for more information.

Handling Precautions:

This Part A and Part B combination has been formulated with the objective of being as safe as possible however in common with most epoxy resins and hardeners, consistent skin contact with the uncured materials should always be avoided.

Storage:

Store the components in a dry place at 18 to 25°C, in tightly sealed original containers.

Disclaimer:

The data presented in this leaflet are in accordance with the present state of our knowledge and does not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this leaflet should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used. Recommendations for use do not constitute a warranty, either expressed or implied, of the fitness or suitability of the product for a particular purpose.

