PERFECT COAT

ULTRA-CLEAR EPOXY RESIN

Clear Coating

Perfect Coat is a solvent free, liquid epoxy resin specifically designed as a crystal clear, system for timber coating that will self-level, and cure at room temperature. The system has excellent air release and UV stability.

Perfect Coat may be directly poured onto, or brushed onto, a surface to produce a deep gloss that does not require polishing. One coat is usually sufficient for an attractive finish.

MIX RATIO

100 parts resin to 88 parts hardener by weight
1 part resin to 1 part hardener by volume

Note: Care should be taken when dispensing and mixing. Do not attempt to control the cure time by altering the hardener ratio.

UNCURED PROPERTIES	Resin	Hardener
Physical State	Colorless Liquid	Colorless Liquid
Viscosity mPas @ 25°C	1895	1375
Specific Gravity g/ml@ 25°C	1.16	1.02

CURE CHARACTERISTICS	
Pot Life -100g@25°C (in air)	55 minutes
Thin film open time @25°C	9 hours
Cured to Solid State @25°C	24 hours
Cure to maximum strength @25°C	3 days
Mixed viscosity @25°C	1490
Shore 'D' Hardness @25°C	78
Glass Transition Temperature (Tg) (24h @ ambient + 16h @ 40°C)	43°C

APPLICATION

Cover working area with cardboard or plastic. The surface to be coated should be dry and free from contaminants. Wear latex or nitrile gloves to measure equal volume of Part A Resin and Part B Hardener. Use clean plastic containers or wax-free paper containers. Mix enough to cover the area, allowing for the flow of resin and drips over the edge.

Pour Part A and Part B into a larger container. Use a flat mixing stick to stir the two ingredients together for at least 4 minutes - longer in cooler temperatures. Take care to stir the material slowly, so air entrapment is kept to a minimum.

The resin is self-leveling, it may be directly poured or brushed on to a surface. Have a stand that is smaller in size than the item to be coated, to allow excess material to drip from the edges. For best results apply at temperatures between 15°C to 30°C and at below 85% humidity.

Air bubbles may form. Air Bubble release is greatly enhanced by the use of a small heat gun or mini gas torch. Hold the torch 15cm - 20cm away from the surface and sweep the torch continuously across the surface for a few seconds. If the flame is held in one spot it will distort the surface or may cause damage to the substrate.

The mixture should be cured in a warm, dust free area. Place a cover or box over the item while curing.

COVERAGE

1 mixed litre of Perfect Coat Resin and Hardener delivers approx 0.60m^2 depending on surface porosity.

Perfect Coat is not to be thinned under any circumstances, as it has been formulated to optimal viscosity for this specific application.

CLEAN UP

Clean the equipment with lacquer thinner, acetone, or alcohol. Follow safety warnings on solvents, and provide adequate ventilation. Clean epoxy hardener residue with warm soapy water.

DO NOT dispose of resin or hardener in a liquid state. Waste resin and hardener can be mixed and cured (in small quantities) to a non-hazardous inert solid.

STORAGE

Perfect Coat Resin and Hardener will keep for 2 years if kept in original containers at room temperature (15°C to 32°C) and out of direct sunlight. Containers should be tightly sealed to prevent moisture absorption.

HEALTH AND SAFETY

Perfect Coat Resin and hardener have moderate sensitising potential, and should be kept out of the eyes and off the skin.

• Use with good ventilation and adequate safety equipment including impervious gloves and safety glasses.

• If skin contact occurs, remove contaminated clothing immediately, and wash the affected area thoroughly with water, avoiding the use of solvents except in the case of massive contamination.

• If eye contact occurs, immediately flush with running water for at least 15 (fifteen) minutes and seek medical advice.

• Do not eat, drink or smoke when using this product.

• If swallowed:
Resins - DO NOT induce vomiting, and contact a doctor or the Poisons Information Centre.
Hardeners - DO NOT induce vomiting, give plenty of milk or water and contact a doctor or the Poisons Information Centre.