



Product Data Sheet

Deco Pox 040

Deco Pox 040 is clear epoxy coating resin.

Description

Deco Pox 040 is an optically clear epoxy resin system formulated to produce clear laminates, coats, linings etc with high UV stability. It is commonly used to decorative coatings, seal / protects artwork, paintings, sculptures etc. It is easy to use, cures at ambient temperature and is self-leveling. The resin is non-flammable, odour-free and has no solvent content.

Recommended Uses

Deco Pox 040 finishes used for:

- Tabletops and Counters
- Coating Photographs, Artwork, Decoupage
- Decorative coatings
- 3D resin-art
- Decorative floors using pigments and metallic powders

key features

- Environment friendly (odor free and no solvent)
- Poured thicknesses from (1mm up to 5mm) but is recommended for coatings (1mm up to 3mm deep) per layer
- Highly UV stability
- Exceptional clarity
- Natural air bubble release without the need for degassing
- Hard wearing and highly polishable!
- Excellent impact strength

Technical Specification

Mix ratio by weight :	100 A : 30 B
Color	Water clear
Solids Content	100 %
Specific gravity	1.1 ± 0.01
Working time	Approx. 25 min. (at 23 °C)
Substrate temp.	Min 10 °C , max 30°C
Initial Curing time	Approx. 16 h (at 23 °C)
Fully cured	7 days (at 23 °C)
Hardness, Shore D	> 80

The knowledge and the test results on this TDS are prepared due to the manufacturers experience. The results may differ the processing conditions



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How to use

Surface preparation:

- The surface must be clean, dry, and free of dust. The all damaged areas, cracks and surface irregularities must be repaired and smoothed.

Mixing:

- It is important to remember that this coat has a limited work time (Approx. 20 min. at 23 °C). Therefore it is wise to check and make sure everything is in order before starting the mixing sequence.

- Stir the contents of part A with an electrical stirrer. Add part B to part A completely for 2 – 3 minutes with a low speed stirrer until a homogenous mix is achieved. Be careful not to introduce any air bubbles while mixing until a uniform consistency is obtained. Afterwards the mixture is left to rest for approx. 3 minutes, then pouring **Deco Pox 040** in prepared surface.

- The tables below can be used to look up some common mix sizes A & B components by weight.

Mix Ratio Examples

A	B	Total
100	30	130
200	60	260
300	90	390
400	120	520
500	150	650
600	180	780
700	210	910
800	240	1040
900	270	1170
1000	300	1300

Processing conditions:

- Temperature-The optimal processing temperature is about 20 °C. Raising the temperature by 10 °C halves the pot life and doubles the reactivity
- Air humidity – The relative air humidity during processing should not exceed 65 %.
- Like all reactive resin systems the casting quantity is limited by the generated reaction heat (exothermal reaction): often a lower curing temperature (e.g. at an ambient night temperature lower than 20 °C) can counteract too great an exothermal reaction.

Cleaning

Cleaning all tools and equipments immediately after use with acetone or cellulose thinners.

Health and Safety

- Use gloves and breathing mask when applying.
- Apply forced ventilation in confined spaces.
- Skin splashes to be removed with hand cleanser, soap and water.
- Eye splashes to be removed with plenty of water.
- If ingested seek medical advice.

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Packages

Kits (A+B): 1.3 kg & 6.5 kg

Storage

- The resins and hardeners can be stored at least 12 months in their carefully sealed original containers.
- The resins and hardeners may crystallize at temperatures below +15 °C.
- The crystallization is visible as a clouding or solidification of the contents of the container.
- Before processing, the crystallization must be removed by warming up.
- Slow warming up to approx. 30 - 40 °C in a water bath or oven and stirring or shaking will clarify the contents of the container without any loss of quality.
- Use only completely transparent products.
- Before warming up, open containers slightly to permit equalization of pressure.
- Caution during warm-up ! **Do not warm up over an open flame!**
- While stirring up use safety equipment (gloves, eyeglasses, respirator)

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