

Ox Resin epOXY Design Technical Data Sheet

epOXY Design from Ox Resin is the middle, clear epoxy coating from the Ox Resin Marble Effect Epoxy Flooring 3 coat system. The coating is unique to Ox Resin and has been specifically formulated to create the perfect marbled finish at the highest possible quality.

- Easy, smooth application
- 2 Part 100% Epoxy System
- Bespoke Ox Resin formula
- Surface usable again in 24 hours
- High gloss finish
- Solvent free

Appearance & Typical Uses:

Ox Resin epOXY Design leaves a clear, gloss finish making it perfect as both a mid or top coat that can show off unique designs underneath. It is typically used in marble effect flooring and 3D flooring as well as solid epoxy floors.

Typical Properties:

Mixed s.g:	1.6
Pot Life @ 20°C:	20 minutes
Pot Life @ 10°C:	40 minutes
Tack Free Time @ 20°C:	8-12 hours
Hard Dry Time @ 20°C:	12-24 hours
Full chemical resistance:	7 days @ 20°C
Coverage	0.25 - 0.30 kg/m ² /coat
Adhesive strength to concrete:	3.9 N/mm ²
Adhesive strength to steel:	>12 N/mm ²
UV Stability	Not Stable

Packaging:

epOXY Design is supplied as two-part units (Part A & Part B) which require mixing together before use.

Curing:

Allow to cure for a minimum of 24 hours @ 20°C prior to light foot traffic access and 48 hours @ 20°C prior to vehicular traffic. 7 days' cure @ 20°C is recommended prior to exposure to chemicals. Temperatures below 20 degrees will have a slower minimum cure rate.

Mixing:

Pour ALL of the contents of the epOXY Design PART B tin into the PART A tin and thoroughly mix by mechanical means (a paddle on the end of a drill) until a uniform colour is achieved and the curing agent has fully dispersed. Please note that after mixing both components, 100% of the material must be used in a single application and cannot be stored for later use. Particularly for larger areas of application, pay close attention to the pot life of this product after mixing/activating. It may be optimal to have two or more people completing this job for maximum efficiency within the products working life.

Coverage

A 5 kg pack is sufficient to coat 17 -20m² in a single coat, 2 coats provide an overall d.f.t. of 425 - 500 microns. Coverage cannot be guaranteed due to vastly different surfaces.

Storage & Limitations

Store in dry conditions at temperatures between 10°C and 25°C. Do not expose to freezing conditions. Do not apply to wet or uncured concrete surfaces. Do not apply at temperatures of 7°C or below.

General Guidance:

This Data Sheet is for general guidance purposes only and may contain information that is inappropriate for certain conditions of use. Accordingly, all recommendations and suggestions are made without guarantee. Further information is available from our technical department. You can call us on 01612070707.

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Surface Preparation

Surface preparation may differ dependent on substrate type or resin system used.

For flooring:

Just one coat on most surfaces will produce a tough, high gloss finish. Surfaces of higher than normal porosity may require further coats. Concrete should be a minimum of 21 days old and/or the residual moisture content shall be below 6%. Ensure that the concrete is clean and free from dust, laitance, grease, oil, curing compound, existing paint finishes, etc. Suitable mechanical treatment, such as vacuum grit-blasting, is the preferred treatment prior to application, as this ensures a mechanical "key" for the coating. Steel surfaces shall be shot blasted or grit blasted to a nominal Sa 2.5 Swedish standard. All dust and grease shall be removed prior to coating application.

For countertops:

Before applying our metallic coating ensure surface is perfectly smooth. We would strongly advise that you cover all other surfaces and flooring with protective sheets to ensure no damage. We also recommend you wipe the surface with white spirit or similar cleaning solution to ensure good adhesion. The surface should be etched/opened using an appropriate method such as sandpaper. Before application the surface should be dry.

Application

The mixed unit should be applied immediately by roller or brush with a consistent method. Floor areas should be cross-rolled to ensure even application and to minimise roller marks. Move down the floor and repeat the process until complete. If coating a large area, you may require a second pair of hands. After a minimum of 14 hours and before a maximum of 24 hours, subsequent coats should be applied. A typical system would be 1 coat of relevant epOXy primer, 1 coat of epOxy Design and 1 coat of epOXy Shield. In this case after the primer has been applied, the first coat of Design should be applied no longer than 24 hours after the primer has cured or is dry to touch. Similarly, the coat of Shield should be applied no longer than 24 hours after the Design coat has cured.

Health & Safety

Safety data supplied for PART A. PART B is classed as none-hazardous but Ox Resin recommend adhering to PART A safety information when handling or using both or either parts. Warning. Irritating to skin and eyes. May cause skin sensitisation by contact. May cause an allergic skin reaction. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Wear gloves, appropriate footwear and protective safety goggles when handling, mixing or applying this product. If in contact with skin wash off immediately with plenty of soap and water. If discomfort continues, seek medical attention. If in EYES rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so, continue rinsing. If discomfort continues seek medical attention. Ox Resin epOXy Design should be applied strictly in accordance with manufacturer's instructions. All packaging should be disposed of in line with local, regional, national and international regulations. **Always refer to the Material Safety Data Sheet before handling or mixing this product. Full MSDS available on request.**