

BENZIPOX 280
Two Pack Epoxy Gloss Finish



BENZIPOX 280 is a two pack high performance amide-cured epoxy gloss finish that features superb hardness and excellent resistance against chemicals, impact and abrasion; suitable for concrete flooring where painted surface needs to be smooth, seamless, hard, abrasion resistance and oil / grease / chemicals resistance. It is also suitable for long term decoration and protection of steel surface. Not recommended to be used in exposed or under immersion conditions.

Standard Packing : 5 litres & 15 litres

Technical Information

Mixing Ratio (By Volume) : 4 : 1 (Base : Hardener)
 Binder : Polyamide
 Finish : High Gloss
 Color : Assorted colors, refer Color Infinity & BENZi High Performance Coating color card
 Thinner : Thinner
 Solid Content : 60% (by weight); 40% (by volume)
 Dry Film Thickness : 50 - 80 microns / coat
 Theoretical Coverage : 9 m² / litre / coat (DFT of 50 microns); 6 m² / litre / coat (DFT of 80 microns)
 No. of coats : Minimum 2 coats
 Touch Dry @ 30°C : 1 - 2 hours (depends on temperature and humidity)
 Recoating Interval : Minimum 6 hours
 Curing Time @ 30°C : 6 - 7 days
 Pot Life @ 30°C : 5 hours after mixing of Base and Hardener
 Shelf Life : Minimum 12 months if properly stored

Typical Painting System

Substrate	Primer (1 coat)	Intermediate (1 coat)	Topcoat (1 - 2 coats)
Ferrous Metal (Interior Only)	BENZIPOX Mastic 88 or BENZIPOX EA9 Red Oxide Primer	BENZIPOX Mastic 88 or BENZIPOX 280	BENZIPOX 280
Non-Ferrous Metal (Interior Only)	BENZi 100 Etching Primer or BENZIPOX EA9 Red Oxide Primer	BENZIPOX Mastic 88 or BENZIPOX 280	BENZIPOX 280
Concrete Floor (Interior Only)	BENZIPOX Excel-Damp Primer	BENZIPOX Mastic 88 or BENZIPOX 280	BENZIPOX 280

Application Methods

Brush / Roller : Recommended for small area and touch up such as stripe coating, weld-seams, edges, corner, rivets etc. Dilute up to 5% of Thinner if necessary.
 Conventional Air Spray : Dilute up to 10% of Thinner if necessary
 Airless Spray : If thicker coat in one application is required, airless spray application is recommended. Dilute up to 5% of Thinner if necessary
 Handling : Mix the Base and Hardener in correct ratio and stir the paint thoroughly until completely mixed before painting
 Clean Up : Clean all paint equipment with Thinner immediately after use

Surface Preparation

Ferrous Metal Surface

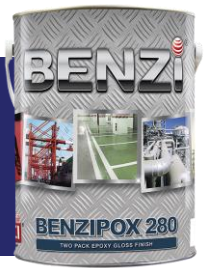
For optimum performance, mild steel surface shall be abrasively blasted in accordance to Swedish Standard Sa 2.5. If abrasive blasting is impossible, mechanical cleaning to St 3 is essential. If oxidation occurred on the blasted steel before application of paint, it is necessary to reblast the steel. The surface must be dry and free from any abrasive residues, dirt, grease and other contaminants prior to painting.

Non-Ferrous Metal Surface

For new surface, thorough solvent degreasing to SSPC-SP1 is necessary. For old surface, it must be abraded to remove corrosion deposits. All surfaces must be dry and clean prior to painting.

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Surface Preparation

Concrete Floor Surface

Newly laid concrete surface must be allowed to cure for at least 28 days, ensure the surface is below 16% moisture content as measured by protimeter and alkalinity below PH9 (It is highly recommended to have a layer of water-proof membrane underneath the concrete). If alkalinity is high, neutralize the surface by etching with 5% Sulphuric Acid solution and rinsed thoroughly with clean water and allow to dry completely prior to painting.

Storage

Keep container tightly closed and in a secure upright position, store in a cool and shady place, do not expose directly to sunlight and extremes of temperature. Keep out of reach of children.

Safety, Health and Environment

Ensure good ventilation during painting, do not breathe vapour or spray mist. Keep doors and windows open during application and drying. It is advisable to wear mask and eyes protector while applying. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. In case of accidental ingestion, DO NOT INDUCE VOMITING, seek immediate medical advice. To remove splashes of paint from skin by using water and soap or skin care product. Do not empty paint into drains or water courses, dispose of any paint waste in accordance with the appropriate Environmental Quality Regulations.

Materials Safety Data Sheet (MSDS) is available upon request.

DANGER



Hazard Statement: Flammable liquid & vapour. May be fatal if swallowed & enters respiratory tract. Harmful if in contact with skin. May cause allergic or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation & allergic skin reaction. Very toxic to aquatic life with long lasting effects.

Precautionary Statement: Keep out of reach of children. Keep away from heat, sparks, open flames, hot surfaces. No smoking. Wear protective gloves, eyes protector, face protector. Store in a well-ventilated place. Keep container tightly closed. Dispose of contents & container in accordance with all local, national or international regulations.

Limitation of Liability

Liability of MCI Paint Sdn Bhd on any claim of any kind, including claims based upon negligence of MCI Paint Sdn Bhd, for any loss or damage arising out of, connected with, or resulting from the use of the products, shall in no case exceed the purchase price allocable to the products or part thereof which give rise to the claim. In no event shall MCI Paint Sdn Bhd be liable for consequential or incidental damages.

Disclaimer: The above information is given to the best of our knowledge based on laboratory tests and practical experiences. However, since we cannot anticipate or control the many conditions under which our products may be used, we can only guarantee the quality of the product itself. We reserve the right to change the given information without prior notice due to production refinements arising from continuing research and development, which may result in changes in the paint properties.



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