

EPOXY ENAMEL FOR FLOORS

Two-component solvent-based epoxy coating

PRODUCT OVERVIEW

Epoxy coating with a polyamine hardener for protecting concrete floors, garage floors, interior concrete walls and columns. Provides high adhesion and resistance to mechanical stress, water, gasoline, mineral oil, non-oxidizing acids and alkalis.

Key properties: chemical and abrasion resistance; durable, hard and tough finish; suitable for multi-layer application; easy application; temperature resistance up to 90°C.

TECHNICAL CHARACTERISTICS

Product / hardener codes	2910 / 045
Binder	Epoxy resin with polyamine hardener
Colour / finish	White or any RAL colour / gloss
Density	1.42 kg/L
Viscosity	2,000-2,500 cP
Volume solids / solid content	55% / 65%
Required dry film thickness (DFT)	350 microns over 3 coats
Coverage at 150 microns DFT	3.6 m ² /L; source also states about 70 m ² per 5 US gallon mixture

PACKAGING

Component A	15 L or 3 L
Component B	3.6 L or 0.95 L

Litre quantities are reproduced from the source. Its US-gallon labels do not consistently match these quantities; confirm pack sizes and the correct A:B mixing ratio with the supplier.

SURFACE PREPARATION

Surfaces must be sound, dry and clean, free of dirt, oil, grease, mildew, flaking paint and other foreign material. Lightly sand previously painted surfaces to dull the finish; remove loose paint and clean away oil and grease. Prime new surfaces with a suitable solvent-based epoxy primer before applying the finish.

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Application, curing and safe handling

APPLICATION SYSTEM

Coats	One coat of Epoxy Primer Clear, followed by two finish coats for maximum opacity and uniformity.
Mixing and application	Mix components A and B for 5 minutes using a drill, then allow approximately 15 minutes before applying by brush or roller.
Pot life	3-4 hours maximum
Topcoat thinning	20% Thinner 23
Cleaning	Use a suitable thinner

DRYING AND CURING

Touch dry	3-5 hours at 25°C; 7-8 hours at 15°C in winter conditions
Recoating	After 24 hours
Full cure / vehicle traffic	7 days at 25°C after the final coat

NON-SLIP FINISH

Broadcast medium silica sand (0.4-0.8 mm) or coarse silica sand (0.5-1.5 mm) evenly onto the wet first epoxy coat until the surface is covered. Once dry, remove excess aggregate by vacuuming or sweeping; clean aggregate may be reused. Apply the final epoxy coat to the required thickness.

STORAGE AND SAFETY

Store in a cool, dry place and close containers after use. Do not transfer to unlabelled containers. Provide proper ventilation and avoid inhaling spray. Avoid contact with eyes, skin and clothing; wash skin contamination with soap and water. Keep out of reach of children. **Highly flammable: keep away from sparks and heat.**

Shelf life from production: coating component 2 years; hardener 1 year.

Technical information: Values are reproduced from the supplied product sheet for reference. Actual application conditions are outside the manufacturer's control. Product data are subject to change without notice. Consult the supplier for application-specific guidance.