

Product Data Sheet

Product	Epoxy Enamel (Dual Pack)
Product Code	1630 / 1631 / 1634 / 1635 / 1636 / 1638 / 1641 / 1639
Description	A dual pack chemical resistant finishing coat for use directly on to concrete surfaces, or on metal which has been primed with Epoxy Primer Polyamide cured Epoxy
Composition	Specially formulated product to neutralize rust.

Physical Properties

Colour	Red Oxide, Green, Black, Grey, Yellow, White
Appearance	Gloss
Viscosity	70 KU mixed
Shelf Life	6 months (unmixed)
Storage Conditions	normal
Pack Size	5ℓ dual pack

Application Properties

Method	brush, roller or airless spray
Volume Solids (Typical)	60%
Recommended Average DFT in microns	160 microns
Theoretical Coverage (m² / ℓ)	8 – 10 at 160 microns
Wet Film Thickness in microns	250 microns
Recommended No of Coats	one or two as required
Drying Time at 25°C	4 hours (touch dry) 24 hours (hard dry)
Overcoating Time at 25°C	16 hours but not longer than 72 hours
Thinning	15% with Epoxy Thinners
Pot life	8 hours
Mixing	4 parts base: 1 part catalyst Allow to stand for 30 minutes before mixing

Recommended System	For use on all types of concrete floors, e.g. factories, garages and steel sections.
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Precaution

Do not apply at temperatures below 10°C	
Flashpoint	Below 24°C
Toxicity	normal when used in well ventilated areas

Application and mixing instructions for Epoxy Enamels

Properties

- Extends the life of all concrete floors in wet and dry areas
- Prevents metal corrosion
- Is flexible and resistant to certain alkalis and solvents
- Is tough to withstand moderately heavy traffic

This product is a dual pack material and must be well mixed before use (base & catalyst). All surfaces must be clean, dry, dust and oil free before Epoxy Enamel is applied. Always use clean tools and applicators. Wash with Epoxy Thinners immediately after use.

Metal Surfaces

Sandblast or thoroughly clean surface to bare metal. Apply one coat of Libra Epoxy Zinc Phosphate Primer allow to dry overnight then apply one coat of Epoxy Enamel. Allow to dry overnight before applying second coat. Do not leave longer than 72 hours between coats

New Concrete

Must be at least 3 months old. Scrub the surface well with a suitable cleaner and rinse thoroughly with water if necessary. Allow to dry completely before applying the first coat of Epoxy Enamel which may be thinned up to 15% Epoxy Thinners.

Allow to dry overnight before applying the second coat of Epoxy Enamel (un-thinned)

Let dry overnight before applying the second coat. Do not leave longer than 72 hours between coats.

Old Concrete

Acid wash with pool acid (2 parts water : 1 part pool acid) then proceed as for "new concrete"

Mixing and Application

Add Contents of smaller container (catalyst) to contents of larger container (base). Stir well and allow to stand for 30 minutes before use. Do not mix more material than you will use within 8 hours.

Mixing ratio is 4:1 by volume

Thin first coat down by using 4 parts mixture to 1 part Epoxy Thinner for better initial penetration on concrete surfaces.

Apply at least 2 coats and allow 8 hours drying time (preferably overnight) between coats, but not longer than 72 hours.

Use nylon or mohair roller to apply by brush

Maximum hardness and chemical resistance is developed after 7 days. Light traffic may be permitted on the surface 24 hours after the final coat is dry.

Do not apply when relative humidity is more than 85% or when ambient temperature is below 10°C or above 35°C

Precautions

- Highly flammable – keep away from open flame
- Do not take internally
- Use in well ventilated areas
- Avoid prolonged inhalation of fumes
- Ensure adequate ventilation during application
- Use gloves and/or barrier cream to prevent skin irritation

Note

THIS PRODUCT IS LEAD FREE

No guarantee is implied by the recommendations contained herein since the data sheet is issued for information purposes only. Method of application on surface, cleanliness and conditions of use etc. are beyond our control.

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