

Technical Data Sheet

EverFlor - EnduraCoat - Original

Two-part 100% solids epoxy floor coating for interior concrete

EnduraCoat Original is a two-component, 100% solids epoxy floor paint for interior use. The resin and hardener are supplied as a matched unit and mixed on site. Once mixed, the two parts react and cure into a continuous glossy film bonded to the floor.

Because the formulation is solvent free, nothing evaporates out of the coating as it cures. The wet film thickness and the dry film thickness are the same, so a 220 micron application stays 220 microns. That is what gives the coating its body compared with thinned, solvent-borne floor paints, and it means the product is applied unthinned, straight from the tub.

Apply one coat over prepared concrete. Bare concrete must be primed first - an unprimed porous slab releases air into the wet epoxy and leaves pinholes in the cured surface. Over sound, well bonded existing paint or suitable metal, prepare and key the surface, then coat directly. Eleven colours are available, including the RAL safety shades used for walkways, plant areas and hazard marking.



Areas of use:

- Interior concrete floors
- Warehouse and storage floors
- Workshops and garages
- Plant rooms and machine areas
- Sound, well bonded existing floor paint
- Some interior metal surfaces

Features:

- 100% solids, so the film does not shrink back as it cures
- Solvent free, with no thinners added and none released during cure
- 220 micron wet film gives 220 microns dry in a single pass
- Glossy, smooth finish that sweeps and mops clean
- Cures by chemical reaction, so it is not reliant on ventilation to dry
- Brush or roller applied, with no spray equipment needed
- Eleven colours, including RAL safety shades for zoning and marking
- 24 month shelf life in unopened containers

Good to know

This is an interior coating. Do not use it outdoors. If the film is exposed to UV before it has fully cured, discolouration is more likely.

Pot life is 30 minutes at 20°C, and heat shortens it. Keep unopened containers out of direct sunlight and away from hot areas before use, or the mixed unit will go off faster than you can spread it.

Do not apply below 12°C. Mixed epoxy cannot be cleaned out of brushes and rollers in any practical way - plan to discard applicators after use.

Colours



Dark Grey (RAL 7016)



Industrial Red (RAL 3009)

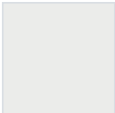


Industrial Blue (RAL 5013)



Safety Green (RAL 6032)

Technical Data Sheet (continued)

	Signal White (RAL 9003)		Safety Yellow (RAL 1023)		Black (RAL 9005)		Light Grey (RAL 7035)
	Mid Grey (RAL 7001)		Safety Blue (RAL 5015)		Safety Red (RAL 3020)		

Samples are available on request. While great care is taken with the colour swatches shown, no guarantee can be given that they represent exactly the colours offered.

Pack sizes: 5kg

Need help? Speak to the experts

Our team will talk you through the preparation and application stages when using EverFlor - EnduraCoat - Original.

Call our team on: 0800 043 8220

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1 Surface preparation

Clean the floor thoroughly. Remove surface laitance, dust, dirt and grease - epoxy bonds to the substrate, not to what is sitting on it. Key smooth, dense or power-floated concrete to give the coating a mechanical grip. Rinse off any cleaning residue and let the surface dry completely.

Over existing paint, check that the film is sound and well bonded. Remove anything flaking or loose. Abrade the remaining paint to a matt key.

2 Priming

Prime bare concrete before you coat it. Porous concrete pushes air up into the wet epoxy as it cures, which shows as pinholes in the finished gloss. A primed slab seals that off and gives consistent adhesion. Existing well bonded paint and prepared metal do not require a primer.

3 Mixing

Mix at 3.55 : 1. Stir the resin first, then add the hardener and mix the full unit to a uniform colour, scraping the sides and base of the container. Do not add thinners - the product is solvent free and is applied as supplied.

Once mixed, the reaction has started. You have 30 minutes at 20°C, and less if the material is warm. Store containers between 5°C and 30°C and keep them out of direct sunlight and hot areas before use, since heat cuts pot life. Decant into a tray and get the material onto the floor without delay.

Mix ratio: 3.35 : 1 by weight (Part A : Part B), or 100 : 29.9

Full pack: 3.85 kg of Part A to 1.15 kg of Part B. Mix complete packs - the ratio must be maintained for a full cure.

4 Application and curing

Apply by brush or roller at 220 microns wet film thickness. Work it well into the surface and keep a wet edge across each bay. One coat is recommended.

Do not apply below 12°C. If you apply a further coat, recoat after 10 hours at 20°C. Allow 16 hours for cure, and keep the coating out of UV until it has fully cured - early UV exposure makes discolouration more likely. This is an interior coating only.

Cured epoxy cannot be washed out of brushes and rollers in any practical way. Discard applicators after use.

5 Safety

A material safety data sheet for this product is available on request.

6 Ordering

Available direct from Jarvis Industries Ltd. All products are sold subject to the company's standard conditions of sale.

EverFlor - EnduraCoat - Original

Specification	
Components	Two-pack epoxy - Part A resin + Part B hardener
Mixing ratio	3.35 : 1 by weight (Part A : Part B), or 100 : 29.9
Pot life	30 minutes at 20°C
Finish	Glossy, smooth
Coverage	18.2m ² per 5kg
Number of coats	1 recommended
Application tools	Brush or Roller.
Thinning	No thinning.
Usage location	Interior
Suitable for	Concrete, well bonded paint, some metals
Recoat after	10 hours at 20°C
Storage temperature	5-30
Shelf life	24 months in an unopened container
Solids content	100%
Cleaning tools	It is not practical to clean applicators and they should be discarded after use
Wet film thickness	220 microns
Dry film thickness	220 microns
Number of components	2
Minimum application temperature	12
Principal limitations	If the coating is exposed to UV prior to full cure discolouration is more likely. Full containers should not be stored in direct sunlight or overly hot areas just prior to application as increased temperature will reduce potlife.
Cure Time	16 hours
Composition	2 part, 100% solids epoxy resin
Primer required	On bare concrete. View 'Application' Section
Pack sizes	5kg
Colours	Available in 11 colours

Drying and curing times are given at 20 °C and 50% relative humidity.

Storage & Handling

- Store upright in the original tightly closed container, in a cool, dry, well-ventilated place out of direct sunlight.
- Store between 5-30.
- Protect from frost.
- Keep out of the reach of children.

Technical Data Sheet (continued)

The information in this sheet is given in good faith and reflects our experience of the product at the date of issue. Conditions of use are outside our control, so it does not amount to a warranty. Anyone using the product should satisfy themselves that it is suitable for the intended purpose, and where the result matters, apply a trial area first.