

Ivory 340

Epoxy Coating & Tank Lining

PRODUCT DATA SHEET

Description

A solvent free, high build, epoxy coating with high chemical resistance and low vapour transmission properties.

Uses

- Protection of concrete and steel surfaces against corrosion by chemical attack.
- A coating for tanks such as oil storage tanks can be reinforced with glass fibre.
- A vapour barrier coating for insulation.
- Waterproofing and protection of polystyrene foam.

Resistance

Resistant to:

- Organic & inorganic acids in varying concentrations.
- Aromatic and Aliphatic hydrocarbon solvents.
- Petroleum products including crude oil.
- Fresh and sea water.

Note: Comprehensive resistance evaluations have been made. Contact our Technical Department for specific resistance information.

Preparation

Concrete and plaster surfaces to be clean, sound, laitance and dust free and have a maximum moisture content of 4%. G.R.P. laminates to be thoroughly abraded and wiped with *Flowcrete Solvent AB*.

Steel surfaces to be grit blasted to S.A.2½.

Where grit blasting is not possible surfaces to be thoroughly mechanically prepared to remove all loose rust.

Priming

- Concrete and plaster surfaces, apply *Flowcrete Flowprime*.
- Grit blasted steel surfaces, apply *Ivory 366 Primer*.
- Steel surfaces prepared by mechanical means, apply *Ivory Ivomastic Primer*.
- G.R.P. laminates - no primer required.
- Polystyrene - no primer to be used.

Properties

No of components:	2
Mixing Ratio -	
Ep/Act by volume:	2:1
Pot life (250mℓ) @ 20°C:	15 minutes
Cure time:	
Touch Dry:	5 hours
Practical cure:	24 hours
Full cure:	7 days
Apply by:	Brush or roller
Theoretical Coverage:	4 - 5 m²/ℓ
D.F.T. per coat at 5m²/ℓ:	200 microns
Recommended No of coats:	2
Overcoat time:	Min 5 hours Max 48 hours
Application Temperature:	Min 10°C Max 30°C
Service Temperature:	Wet 60°C Dry 90°C
Volume solids:	100%
Colours:	Limited range available
Cleaner:	W.S.B.C.
Shelf life:	12 months

Application

Thoroughly mix together only enough product which can be applied within the recommended pot life using correct mixing ratio.

Insulation vapour barrier coating: See *Ivory 120 data sheet*.

Other surfaces: Apply by brush or roller, two coats at 4-5m²/ℓ per coat dependant on the surface profile.

Should over 48 hours lapse between coats; the surface of the previous coating must be abraded with a medium grit abrasive paper. Solvent wiping using *Flowcrete Epoxy Thinners* is mandatory after 24 hours exposure.

Health and safety

Some of the components of this product may be hazardous during mixing and application. Please consult the relevant Health & Safety Data Sheet available from Flowcrete on request and sent with each delivery

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