

Ivory 340 F.G. Food Grade Epoxy Lining

PRODUCT DATA SHEET

Description

A solvent free, high build, epoxy coating utilizing resins compliant with the requirements of the FDA regulation 21CFR 175.300 for coatings in contact with food, potable water or alcoholic beverages containing up to 12% alcohol by volume.

Uses

- Potable water tank linings.
- Brewery tank linings.
- Protection of concrete storage tanks.
- Protection of food storage tanks.

Resistant to:

- Mild organic and inorganic acids.
- Deionised water.
- 10% Acetic acid
- 50% Sodium Hydroxide
- Beer and wine

Preparation

- Concrete and plaster surfaces to be clean, sound, laitance and dust free and have a maximum moisture content of 4%. Concrete surfaces to be sweep blasted.

Priming

- Concrete and plaster surfaces, apply *Flowprime*. Dense concrete may not require priming.
- Grit blasted steel surfaces, apply *Ivory 366 Primer*.
- G.R.P. laminates - no primer required and Polystyrene - no primer to be used.
- G.R.P. laminates to be thoroughly abraded and wiped with *Solvent AB*. Steel surfaces to be grit blasted to S.A.2½..
- Where grit blasting is not possible surfaces to be thoroughly wire brushed to remove all loose rust.

Specification

Prepare and prime surfaces and apply two coats of Ivory 340FG all in accordance with the Manufacturers detailed instructions.

Properties

No of components:	2
Mixing Ratio - Epoxy:	Activator by volume 2:1
Gel time: (150g mix)	2½ hours
Cure time:	
Touch Dry:	10 hours
Practical cure:	24 hours
Full cure:	7 days
Apply by: Brush, roller or airless spray	
Theoretical Coverage:	4 - 6 m²/ℓ
D.F.T. per coat:	167-250 microns
Recommended No of coats:	1 or 2
Overcoat time:	Min 10 hours Max 36 hours
Application Temperature:	Min 10°C Max 30°C
Service Temperature:	Wet 50°C Dry 70°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 in 20 minutes at 20°C. Apply by brush, roller or airless spray, two coats at 4-6m²/ℓ per coat dependant on the surface profile. Should over 36 hours lapse between coats the surface of the previous coating must be abraded with a medium grit abrasive paper and solvent wiped using Flowcrete Epoxy Thinners.

Health & 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.