

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

##### Important Note

Flowcrete's products are guaranteed against defective materials and manufacture and are sold subject to its standard Terms and Conditions of Sale, copies of which can be obtained on request.

##### 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 m <sup>2</sup> /ℓ     |
| D.F.T. per coat at 5m <sup>2</sup> /ℓ: | 200 microns                 |
| Recommended No of coats:               | 2                           |
| Overcoat time:                         | Min 5 hours<br>Max 48 hours |
| Application Temperature:               | Min 10°C<br>Max 30°C        |
| Service Temperature:                   | Wet 60°C<br>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 4-5m<sup>2</sup>/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