

## Ivory 304 Epoxy Enamel

### Description and Uses

A high gloss epoxy enamel with good chemical resistance and durability. A wall and floor coating in hospitals, food processing plants, breweries, dairies, schools. Protection of steel, timber, machinery. A finish coat for ablution blocks.

### Advantages

- Easy to clean, bacteria resistant.
- Attractive colours.
- Good chemical and weather resistance.
- Good adhesion to most substrates.
- Long pot life.
- Good mar resistance.

### Resistance

Weather - Excellent resistance does not check or crack.

Chemical - Resists most dilute acid and alkali solutions at ambient temperature.

Solvent - Resists intermittent contact with ethanol, butanol, xylene and benzene.

Petroleum Products - Resists petrol, diesel, paraffin, white spirits etc.

### Preparation

All surfaces must be clean, sound, laitance and dust free and have a maximum moisture content of 4%. Concrete surfaces to be prepared by abrasive blasting or grinding to achieve a profile similar to medium grit sand paper. The use of Ivory Concrete Etchant should only be considered as a last resort and should be discussed with Ivory's Technical department as to the suitability and procedure.

### Priming

Steel surfaces, grit blasted - Apply Ivory 366  
Steel surfaces, prepared by mechanical grinding - Apply Ivory Ivomastic primer.  
Concrete Floors - Apply Ivory 303  
Plaster walls - Apply Ivory 305.

### 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.

### Technical Information

The figures that follow are typical properties achieved in laboratory tests at 20 °C and at 50% Relative Humidity.

N° of components	2
Mixing Ratio	4 : 1
Epoxy / Activator by Volume	
Pot Life	6 hours
Drying Time:	
Touch Dry	2 hours
Practical Cure	12 hours
Full Cure	7 days
Apply by:	Brush, roller or spray
Theoretical Coverage:	8m <sup>2</sup> /ℓ
D.F.T. per coat:	45 microns
Recommended № coats:	2 plus primer
Overcoat Time:	Min 12 hours Max 48 hours
Colours:	See colour chart
Volume Solids:	44%
Thinners:	Epoxy Thinners
Cleaner:	W.S.B.C.
Shelf Life:	12 months
Application Temperature:	Min 10°C Max 30°C
Temperature Resistance:	70°C Dry 60° C Wet

### Application

Using volumes strictly in accordance with the given mixing ratio, mix the contents of the two containers together for 5 minutes using a flat piece of wood or spatula. Apply by brush, roller or spray. Overcoat within 48 hours, should over 48 hours elapse between coats, abrade surface with sand paper and wipe with epoxy thinners. If mixed material is left in the container it will become unusable within 6 hours.

### Caution

- Do not use Ivory 304 to overcoat a conventional Q.D. enamel primer or coating. This material is inflammable and due precaution should be taken.
- Common with all epoxy systems Ivory 304 will yellow in sunlight and under artificial light.
- Do not apply if relative humidity exceeds 85%.