Ivory 348

Moisture Tolerant Chemical Resistant Epoxy Mortar & Coating

PRODUCT DATA SHEET

Uses

A highly chemical resistant epoxy mortar, used as a floor screed on areas subject to hard wear, combined with chemical solvent and oil spillage. High resistance to attack by acetic acid, lactic acid and sugars, makes the product ideal as a flooring system in food factories, sugar mills, breweries and canneries. Ability to cure at low temperatures and under damp conditions, promotes its usefulness as a structural and concrete repair mortar for work performed under inclement conditions.

Advantages

- Excellent chemical resistance.
- Cures on damp surfaces and in conditions of high relative humidity.
- Withstands water, chemical, solvent and oil immersion
- Good flexibility and impact resistance
- High compressive strength
- Low viscosity for epoxy penetration achieved by reducing aggregate.
- Cures at low temperatures and Solvent free - no volatile fumes.

Resistance

Resists attack from splash or spillage or cold solution of:

- Inorganic acids in moderate concentrations and Organic acids in concentrations normal to food and beverage industry.
- Alkalis, Sugar solutions, solvents including aliphatic Hydrocarbons, Glycols, Benzene, and Diesel oil, Hydraulic fluid, Aviation fuel. *For detailed information see Chemical Resistance Chart*

Substrate requirements

Concrete slabs and screeds should have a good wood float finish conforming in evenness and level to the required tolerance, with a minimum compressive strength of 20mPa, with screeds of a minimum thickness of 4Omm.

Preparation

Chemically clean where necessary to remove any contamination. Mechanically scarify or vacu-blast to remove laitance and expose aggregates. Remove all dust.

Properties

№ of components:	2 + Aggregate
Ep: Act by volume	2: 1
Pot Life:	25 minutes
Application Temperature:	
Min	5°C
Max	30°C
Drying Time:	
Touch Dry	4 hours
Practical Cure	24 hours
Full Cure	7 days
Apply By:	Pouring or trowel
Theoretical Coverage:	1.9m² @ 6mm thick Per 11.5ℓ. Kit
Compressive Strength:	± 70mPa
Concrete to Concrete	
Bond Strength	Concrete fails
Colour:	Amber
Thinners:	Nil
Cleaner:	W.S.B.C.
Shelf Life:	12 months

Application

Prime surfaces by applying *Ivory* 348 primer at 3m²/ℓ and allow to partially cure to a tack finish. Large areas scatter 16/30 grit into the wet primer at 1kg/m² to permit delayed *Ivory 348* screed installation. Apply by P.V.C. float *Ivory 348* epoxy screed to a nominal thickness of 6mm, allowance being made for expansion joints where necessary. Allow to cure and completely seal by the application of one or more coats of *Ivory 348* seal coat. *Ivory 348* system may suffer slight colour changes in contact with different chemicals.

Specification for floor screeds

Ivory 348 epoxy screed to be laid 6mm thick onto previously prepared and primed surfaces all in accordance with the manufacturer's detailed instructions.

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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