

Ivory 328 H.C. High Chemical Resistant Epoxy Tile Pointing Grout

PRODUCT DATA SHEET

Description

A high chemical resistant epoxy resin based system compounded with selected and graded aggregates to form a tile grouting compound impervious to penetration and degradation by the process raw materials and cleaning chemicals utilized in the food and beverage industry, and unaffected by temperature restraints associated with steam cleaning and water temperatures reaching 80°C.

Uses

Grouting of ceramic tile joints in breweries, canneries, distilleries, dairies, bakeries, food and meal processing plants, sugar mills, battery rooms and any areas subject to aggressive chemical conditions.

Resistance

Excellent chemical resistance to acids and alkalis, sorghum beer, malt beer, cooking oil, tall oil, brake fluid and diesel. One year immersion test at 25°C showed good resistance to the following selected chemicals and solvents:

10% Acetic acid	25% Ammonia Solution	10% Lactic Acid
Toluene	60% Sulphuric Acid	White Spirits
30% Hydrochloric Acid	30% Citric Acid	40% Caustic Soda
10% Nitric Acid	Perchloroethylene	60% Phosphoric Acid
Xylene		

Mixing

All surfaces to be clean, dry and sound. Using a low speed mechanical mixer or suitable receptacle, thoroughly mix the epoxy and activator component together for a minimum of 3 minutes using a flat paddle or spatula for hand mixing in the following ratios; 2.07kg Epoxy + 1.24kg Activator + 16kg Aggregate yields 9 litres. Slowly add the aggregate to the mixed liquid and mix until an evenly coated homogenous mortar results.

Application

Apply into tile joint and compact using a pointing trowel. White spirits, pine oil, or epoxy thinners can be used on a clean cloth to smooth down the joint and clean off overspill before the epoxy is cured.

Properties

No of components:	2 Plus aggregate
Mixing Ratio:	1.5: 1
(Epoxy/Activator by volume)	
Yield:	3l resin + 16kg aggregate yields 9l
Pot life 500ml @ 25°C:	45 minutes
Drying time:	Touch Dry 2 hours
	Practical cure 48 hours
	Full cure 7 days
Apply by:	Pointing trowel
Theoretical Coverage:	1l per 10 l/m (10mm x 10mm)
	1l per 40 l/m (5mm x 5mm)
Application Temperature:	Min 10°C
	Max 35°C
Max Service Temperature:	Wet 80°C
	Dry 100°C
Compressive Strength:	7 days (70MPa @ 25°C)
Colour:	Amber
Volume Solids:	100%
Thinners:	Nil
Cleaner:	W.S.B.C.
Shelf Life:	12 months

NB: Under no circumstances must water be used on the uncured epoxy. All cleaning of overspill etc, must be undertaken completely before the epoxy cures.

Specification

All tile pointing to be carried out using *Ivory 328 HC* epoxy tile grout all in accordance with the manufacturers detailed instructions, Flowcrete SA (Pty) Ltd; Tel (011) 394 1980 or (031) 461 3411.

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. Uncured *Ivory 328 HC* is toxic, avoid contamination with food stuffs or drinking water. Provide adequate ventilation in working area and wear protective clothing to avoid skin contact or excessive inhalation.

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