

Ivory 317 Hi Wear Epoxy Wearing Compound

PRODUCT DATA SHEET

Description

A technically advanced epoxy system containing graded ceramic fillers, held uniformly in suspension in a select epoxy resin system to provide a long lasting lining to plant and equipment subject to a high degree of abrasive wear.

Uses

Any plant and equipment subject to erosion caused by abrasion from process materials. Common areas of application are feed chutes, spigots, pipe elbows, slurry lines, hoppers, chests, settling tanks, cyclones etc

Advantages

- Cuts down time to a minimum, as most repairs are done on site.
- Extends life of costly plant and components.
- Easy to mix and apply.
- Can be applied to vertical and overhead surfaces and areas in which compound shapes or difficult access make the application of other wearing materials impractical.
- Water smoothable - lightly wetting trowel or gloved hand gives a smooth finish.
- Rapid cure - normally ready to use in 6 - 8 hours at normal room temperature - less if heat is applied.
- Excellent adhesion to metal and other surfaces under adverse conditions including damp surfaces.
- Non-corrosive, unlike other epoxy systems.
- Good low temperatures cure down to 5°C and excellent corrosion resistance.

Resistance

Resists dilute acids and alkalis, aliphatic solvents and petroleum products, seawater and distilled water.

Preparation

Surfaces to be clean, dry and free of rust or mill scale. Grit blasting is recommended. If mechanical grinding is used ensure that prepared surface has a rough profile.

Mixing

Thoroughly mix the epoxy and activator together using a mechanical mixer to achieve a completely homogeneous mix.

Properties

N° of components:	2
Mixing Ratio by mass:	
Epoxy: Activator	2: 1
Pot Life (500ml):	40 min
Drying Time:	
Touch Dry	2 hours
Practical Cure	6 - 8 hours
Full Cure	7 days
Apply By:	Trowel or gloved hand
Theoretical Coverage:	6l/m ² at 6mm
Compressive Strength:	90mPa (20°C)
Tensile Strength:	35mPa (20°C)
Heat Deflection Temp:	75°C
Volume Solids:	100%
Application Temp.:	Minimum 15°C Maximum 35°C
Thinners:	NIL
Cleaner:	Ivory W.S.B.C.
Shelf Life:	12 months

Application

Using a steel trowel or gloved hand apply compound at 4mm - 6mm thickness or as specified.

Wipe smooth with hands.

Any mixed material will become unusable after 40 minutes.

To accelerate curing time post cure after compound has hardened by heating surface to about 40°C for 30 minutes.

Safety Precautions

Ensure adequate ventilation in work area. Use protective clothing to avoid skin contact with uncured compound at all times. No sparks or naked flame to be permitted in the vicinity while tools and equipment are being cleaned with Epoxy Thinners, Water Soluble Brush Cleaner or other flammable products.

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.

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