

## CHEMICAL RESISTANT FLOWABLE MORTAR

**HIGH RESISTANCE TO A WIDE RANGE OF  
CORROSIVE CHEMICALS  
HIGH IMPACT AND ABRASION RESISTANCE  
SIMPLE APPLICATION TECHNIQUE  
QUICK CURING**

### PRINCIPAL USES

Chemical and wear resistant mortar and grout for chemical plants, mineral processing facilities, sewage works and other problem areas where conventional mortars and resin systems fail.

### RESISTANCE

**Weather:** Excellent resistance. Surface will chalk.

**Temperature:** Good resistance to temperatures up to 90°C (dry) and 60°C (wet). Not suitable in areas of thermal shock.

**Acids and Alkalies:** The compressive strength of the mortar is unaffected by splash and spills of 20% Hydrofluoric acid, 5% Nitric Acid, 30%, 70%, 90% and 98% Sulphuric Acid, 50% and 80% Phosphoric Acid, 30% Hydrochloric Acid, 5%, 20% and 35% Sodium Hydroxide, 12% Sodium Hypochlorite, 50% Sugar solution. For specific applications, consult Pro-Struct Technical Department.

**Petroleum Products:** No damage by spillages of diesel, petrol, jet fuel and most aromatic and aliphatic solvents.

**Water and most Salt Solutions:** Excellent resistance to continual immersion at 60°C in most solutions.

**Compressive Strength:** 90-120MPa

### SPECIFICATION

All concrete surfaces to be treated with Pro-Struct 6240 MF Chemical Resistant Flowable Mortar in accordance with manufacturers detailed instructions.

### INSTRUCTIONS

Prior to application, the surface must be clean, dry and sound and surfaces should be prepared by vacublasting, scabbling or scarifying. Pro-Struct 6240 MF is supplied in two attached containers together with bagged aggregate and Pro-Struct 950E/C2 pigment pack. The contents of these two containers must be mixed thoroughly for 2-3 minutes. The aggregate should be mixed with the pigment pack so that no particle size separation is apparent and then blended with the pre-mixed liquid. Prime the surface with Pro-Struct 6240 MF resin only, at 2-4m<sup>2</sup>/litre and scatter part of the aggregate into the wet primer and allow to cure. This will create a mechanical anchor surface for topping. Sweep off unbonded aggregate before screeding. Evenly spread the mixed Pro-Struct 6240 MF with a notch trowel to the required thickness and smooth with a spike roller. Under extreme corrosive and impact conditions, and for the protection of ground water, install a laminate of Pro-Struct 6320 and chopped strand glass fibre membrane into which is sprinkled a coarse aggregate, before installing the mortar. If uniform colour is required, apply 2 coats of pigmented 6320 at 4-5m<sup>2</sup>/litre/coat. Clean equipment immediately after use with Pro-Struct 105 Brush Cleaner and rinse off in clean water.

### CAUTION

Under no circumstances should Pro-Struct 105 Brush Cleaner be mixed with any Pro-Struct Epoxy Compound, as this will inhibit the curing of the material. To avoid confusion, Pro-Struct 105 Brush Cleaner is coloured **blue**. Remove spots of Pro-Struct Epoxy on hands with cotton waste dipped in water. Always wash well with soap and water after using this material.

**See also Instructions "Handling of Epoxy Products"**

### TYPICAL PROPERTIES AT 25°C

Finish	Aggregate / Resin
Colour	Ref Pigment Pack
Consistency	Resin Rich Flowable Mortar
Volume Solids	100%
Theoretical Coverage per Coat	2,5m <sup>2</sup> /10 litre kit at 4mm thick
No. of Components	4
Mixing Ratio by Weight	
6240 Resin B + A	5,45kg
6240 Aggregate	2 x 6kg
950E Pigment Pack	1 x 0,9kg
Pot Life	15-20 Minutes
Apply Over	Prepared dry concrete or steel
Apply By	Notched trowel & spike roller
Set Time	4-6 Hours recoat 16 Hours for service 3-5 Days for full cure
Thinner	Nil
Shelf Life	12 Months
Max Service Temperature	90°C Dry 60°C Wet
Application Temperature Range	10°C to 35°C

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