

EPOSCREED

Epoxy Resin Based Screed

Description

EPOSCREED has been developed to produce high strength floors with excellent abrasion and impact resistance, and virtually nil shrinkage. It bonds tenaciously to most sound building surfaces, is waterproof and resistant to a wide range of aggressive chemicals.

EPOSCREED is a 3 pack trowelling mortar. It has excellent low-slump and feather edging properties.

Yield

Approximately 510cu. cm/kg. For estimating purposes one 27Kg pack of **EPOSCREED** will yield approximately 2.25m² at 6mm depth.

Typical Strength Development after full cure

Compressive	75 N/mm ²
Tensile	19 N/mm ²
Flexural	49 N/mm ²

Colour

Neutral grey.

Instructions for use

Surface Preparation

Surfaces should be sound, clean, free from laitance, dust, oils or other deposits and surface dry. Scarification or acid etching with a product such as **ADOCLEAN** to expose the aggregate of both new and old concrete is recommended for best results. If mortar is to be applied to spalled areas it is important to ensure that edges are sound and that any steel surfaces are clean and rust free.

Priming

Once prepared the surfaces should be primed with **EPOTAC** applied at the rate of 3-5m² per kilo, depending upon the surface texture and porosity. Special attention being paid to the edges of the area. When using **EPOSCREED** for small patch repairs priming may be omitted provided that the areas are cut back to avoid feather edging and hacked to leave a keyed surface.

Mixing

This three pack system is suitable for mixing only in a paddle mixer. The entire contents of the base and hardener packs should be drained into the mixing vessel together with a small amount of the filler and mixed thoroughly. Then slowly add the remaining filler and continue mixing until a uniform blend is achieved.

When working with **EPOSCREED** at low temperatures, mixing and application will be facilitated by warming the pack to a temperature of approximately 15°C by application of indirect heat.

Resin-Based Construction Materials

Application

Primed areas where the primer has set firm or soaked in should be re-primed. Immediately after mixing the mortar should be trowel applied, spreading to produce an even coverage, then press the mortar firmly onto the surface and compact to achieve maximum density. Finish with a steel float to a smooth, even textured closed surface. Wiping the float face occasionally with a rag soaked in **RESOKLENS** will assist in obtaining a good finish. Do not apply in temperatures below 5°C and protect surfaces from moisture until hardened. In order to enhance appearance it is advisable to wash surfaces with a light detergent after two days and before surfaces are trafficked. Any construction joint in the sub base should be continued up through the **EPOSCREED** topping.

Pot Life

This is influenced by temperature, volume of mixed material and type of container. Lower temperatures, smaller volumes and wider containers giving a shallower bulk of material will extend pot life. In practice under normal conditions a pot life of approximately 30 minutes can be expected

Cure Time

Full cure is achieved after approximately 7 days at 20°C. Lower temperatures will prolong cure time. Repaired surfaces will generally take light foot traffic the following day, where possible, keep heavy traffic off for at least 4 days.

Cleaning of Equipment

Use **RESOKLENS** for cleaning equipment immediately after use and before mortar has set firmly.

Storage

Keep containers sealed and at room temperature, away from direct heat. Under normal temperatures and dry conditions storage life is one year if the resin and hardener packs have not been opened.

Health & Safety

EPOSCREED should be handled carefully and skin contact, exposure to high vapour concentrations and ingestion avoided. Wearing of overalls, gloves and protective eyewear should be considered together with the application of a suitable barrier cream to hands where necessary. Proper regard should be taken to the precautions necessary when storing and handling **ADOCLEAN** and **RESOKLENS**.

Reference should be made to the separate **EPOSCREED**, **ADOCLEAN** and **RESOKLENS** Health and Safety literature.