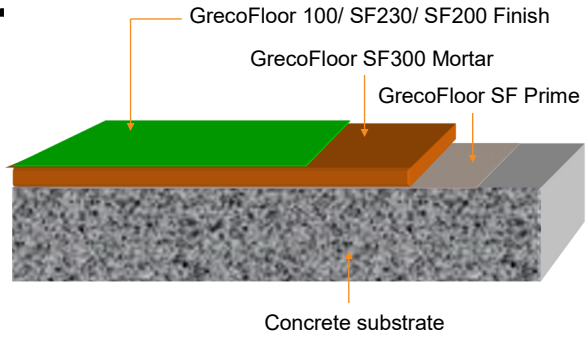
greco®
Industrial flooring & construction products

GrecoFloor® SF300 Mortar

Solvent-free high strength epoxy mortar screed



Description

GrecoFloor SF300 Mortar is a three component epoxy mortar screed based on solvent-free epoxy resin system and selected graded aggregates.

Uses

GrecoFloor SF300 Mortar is formulated as a screedable mortar for seamless topping on concrete surface and re-profiling worn & damaged industrial floors.
It is recommended for medium to heavy duty floor areas such as warehouses, laboratory, food processing and packing, workshop, etc.

Advantages

- Excellent abrasion resistance
- Excellent resistance to a range of chemicals
- Low maintenance surface.
- Choice of colours to suit owners and specifiers.

Typical Properties

Type	:	Epoxy / Polyamide
Specific gravity (mixed)	:	2.10 kg/lt
Mixing ratio (kg) Base : Hardener : Filler	:	2 : 1: 12 -15
Pot life (at 30^{0}C)	:	1 hrs

Typical Performance Data

After 7 days cure @ 30 ^{o}C

Compressive strength (ASTM C349)	:	> 50 N/mm^2
Flexural strength (ASTM C348)	:	>20 N/mm^2
Adhesion strength (pull out) (ASTM D4541)	:	>3.0 N/mm^2
Service temperature	:	-20^{o}C to 60^{o}C

Packaging

GrecoFloor SF300 Mortar is available in 20kg set (Part A 13.3kg - resin, Part B 6.7kg - hardener) and sand filler 25kg bag.

Health & Safety

Apply product in well ventilated area. Avoid skin and eye contact. Wear suitable protective clothing, masks and gloves while handling product. Keep away from heat and open flame.

Application

Surface Preparation

The compressive strength of the substrate must be at least 25 N/mm^2 and substrate directly in contact with ground must have proper vapour barrier installed. Cement laitance, loose particles, and other contaminants which may impair bond must be removed from the surface using effective means.
Cracks, honeycombs and surface irregularities shall be repaired with appropriate repair methods and products.

Mixing

Use a forced action mixer to mix **GrecoFloor SF300 Mortar**

Method of Application

Apply **GrecoFloor SF Primer** by roller onto prepared substrate.
Lay the well mixed **GrecoFloor SF300 Mortar** with trowel and screed bar onto the primer when it is still wet and compact with power trowel.

Sealer Coat

Apply two layers of sealer coat onto well compacted epoxy screed.

Top Coat

Apply two coats of **GrecoFloor 100 Finish, GrecoFloor P100 Finish** or one layer of **GrecoFloor SF200 Finish** as top coat. The finish top coat is available in gloss, matt or slip-resistance finish.

Cleaning

Use solvent such as acetone to clean tools and equipment immediately after use.

Shelf Life

GrecoFloor SF300 Mortar has a shelf life of 12 months when stored in original packing in a cool and dry environment.

Note:
Use the leaflet as a guide for the use of this product concerned. The information given is in accordance with the latest technical developments. However, we cannot accept responsibility for any work carried out with our materials as we have no control over the method of application used or the condition of the site involved.

Last updated by KH/APR 2018