

MC-Easyplan SLS5 (Formerly known as TekniFloor SLS5)

Abrasion Resistant Mineral Based Dry Shake Floor Hardener

Description

MC-Easyplan SLS5 is a blend of specially selected cement, graded aggregates, polymers and other key additives. It has been formulated to achieve a smooth flat surface with ease of application.

Advantages

- Good bond strength with the base concrete
- Good impact resistance
- Flat smooth surfaces over existing concrete substrate
- No water or special curing compound is required
- Recoatable with any epoxy or polyurethane coating just after 2 days
- Fast repairs of uneven concrete floors
- Single component, just mix with water

Application

Areas of application

MC-Easyplan SLS5 is an underlay for a wide variety of floor finishes which require a smooth level substrate prior to laying of tiles, carpeting, vinyl sheeting, rubber & other sheet flooring.

Surface Preparation

Surfaces to be laid must be clean, sound, dry, free of mould release agents, bond breaking coatings, curing compounds or any other form of contamination. Mechanical means like shotblasting, scarifying, wire brushing, grinding, chipping followed by washing with clean water can be adopted. Remove any loose, weak concrete. Refurbish such areas with suitable repair material from ReCon range. Ensure that the surfaces are left in a rough condition. Cut all feather edges at right angles. The substrate should be saturated with water prior to priming. Newly placed concrete should have been cured sufficiently to attain its design strength & limit further shrinkage. Concrete floors must be at least 21 days old prior to application. Expansion, control & isolation joints in concrete should be carried through the MC-Easyplan SLS5 and filled with a suitable sealant from the SealXtra range.

Application

Pour the mixed material on the primed surface while the substrate is still tacky. Spread and level it with a steel trowel & roll it using spike roller to get a uniform surface finish. For better results, pouring & levelling should be done in a continuous process. Wear spiked shoes during application. Work up to 15 mm in a single layer.

Limitations

MC-Easyplan SLS5 should not be applied in areas with standing water. Feather edges should be avoided. During high ambient temperature, to avoid loss in workability, it is recommended to use chilled water for mixing and do the application early in the morning or in the evening.

Priming

Porous Substrate: Mix one volume of MC-Easyplan Primer, one volume of water and approximately one volume of MC-Easyplan SLS5 to a brushable consistency and apply to the prepared surface as a primer. The primer should be brushed into the substrate using a stiff brush, broom or roller & allowed to become tacky (3-5 mins) before the application of MC-Easyplan SLS5. In case of extremely porous substrate, two coats of primer is recommended. Allow the first coat to dry before applying the subsequent coat.
Non Porous Substrate: Apply MC-Easyplan Primer directly into the substrate using a broom or roller.

Mixing

Mix MC-Easyplan SLS5 by slowly adding the contents of the 25kg bag to 5.5ltrs of water. Mixing should be carried out using a slow speed drill machine fitted with a paddle. Mix for 2 minutes, then using spatula scrape the edges & the bottom of the mixing container for any lumps, continue mixing for further 1 minute. Do not mix part bags or add extra water, as this alters the water to powder ratio & affects the final performance of the product. Ensure that mixing is arranged to provide a continuous pour of the product. Don't mix material in quantities that cannot be applied within the pot life of the product.

Curing

MC-Easyplan SLS5 must be protected for at least 16-20hrs by covering with a polythene sheet as soon as the product has achieved its final set (after 60-90 mins). Applied material should not be water cured.

Application Thickness 5-15 mm in a single layer

Yield	14 ltr/bag of 25 kg 3.5 m ² /bag at 4 mm thickness. Actual coverage depends on finish, porosity and texture of the substrate
Coverage	MC-Easyplan Primer: 3.5-4.5 m ² /ltr by mixing with one volume of water & 1 volume of MC-Easyplan SLS5

Typical Properties at 25°C

Property	Test Method	Value
Component	-	Single
Form	-	Powder
Colour	-	Grey
Fresh Weight Density	BSEN 12350-6	2.15 kg/ltr +/- 0.05
Foot Traffic	-	8-10 Hrs
Compressive Strength	ASTM C109	< 20 N/mm ² at 28 days
Bond Strength	ASTM D4541	< 1.5 N/mm ² at 28 days

General Information

Package Size	MC-Easyplan SLS5 : 25 kg bag
Shelf Life	12 months from date of manufacture when stored under warehouse conditions in original unopened packing. Extreme temperature/humidity may reduce shelf life.
Cleaning	Clean all equipments and tools with water immediately after use

Health and Safety

PPE's	Gloves, goggles and suitable mask must be worn.
Precaution	Contact with skin, eyes, etc. must be avoided. If swallowed seek medical attention immediately.
Hazard	Regarded as non-hazardous for transportation.
Disposal	Do not reuse containers. To be disposed off as per local rules and regulations.
Additional Information	Refer MSDS. (Available on request.)

Technical Support

MC Technical Services are available on request for on site support to assist in the correct use of its products.

NOTE:

It is the customer's responsibility to satisfy themselves by checking with the company whether information is still current at the time of use. The customer must be satisfied that the product is suitable for the use intended. All products comply with the properties shown on current data sheets. However, MC-Bauchemie does not warrant or guarantee the installation of the products as it does not have any control over installation or end use of the product. All information and particularly the recommendations relating to application and end use are given in good faith. The products are guaranteed against any manufacturing defects and are sold subject to MC- Bauchemie's standard terms and conditions of sale.