



SOLIDFLOOR TOP FINISH

High Strength Cementitious Self Leveling Compound



BENEFITS

- > Prepack and ready to use.
- > Fast setting.
- > Self levelling and smooth finish.
- > Excellent consistency and assured quality.
- > Excellent workability can be pumped or poured.
- > Economical.
- > More cost effective than equivalent resin based system.
- > Rapid hardening hence allows foot traffic after 2 ~ 3 hours depending on the temperature and humidity.
- > High abrasion resistance.
- > Vapor permeable.
- > Available in cement grey color.

DESCRIPTION

SOLIDFLOOR TOP FINISH is a pre-blending compound having selected cements, hard blended graded aggregates modified with special polymers and flow agents. It is supplied as a dry, grey powder which requires only the addition of water to produce a self-smoothing, free flowing material. **SOLIDFLOOR TOP FINISH** may be applied by hand or by use of a continuous mixer pump.

USES

SOLIDFLOOR TOP FINISH is suitable for use in industrial warehouses, factories and suitable for use in schools and hospitals, commercial buildings, upgrading and refurbishing of existing internal concrete slabs. It can also be suitable for use in car parking and light to medium engineering operations.

PACKING & COVERAGE

SOLIDFLOOR TOP FINISH is available in 25 kg HDPE bag and coverage will be 1.8 kg / m² at 1 mm thickness.

Note : Coverage figures are theoretical - due to wastage factors and the variety and nature of substrates, practical coverage figures may be reduced, this will vary with site and application conditions.

PRODUCT

SOLIDFLOOR TOP FINISH is a cementitious self leveling flooring designed for warehouse and industrial floor when strength and durability are of high priority on urgent basis. The product conforms with **BS-8204 Part-1**.



SPECIFICATION

SOLIDFLOOR UNDERLAYMENT is a cementitious self smoothing flooring system designed for warehouse and industrial floor available in 25 kg HDPE bag having a coverage of 1.8 kg / m² at 1 mm thickness, used strictly in accordance with the instruction of **SOLID**.

SHELF LIFE & STORAGE

SOLIDFLOOR TOP FINISH will have a shelf life of 12 months in unopened container when kept in dry conditions at a temperature between 5 ~ 45 °C. Storage at higher temperature or high humidity may

TECHNICAL SERVICES

While new advance and changes will take place but one thing will never change is quality and meeting special needs of our customers. Our technical personnel and experts are available to provide additional information and technical assistance. We are eager to work with you in development of new product and resolve your problem.

QUALITY ASSURANCE

SOLID manufactures the entire range of construction chemical under compliance of SIRIM and other international standards (ASTM, BS, GBI, LEED).

SOLIDFLOOR TOP FINISH



HOW TO USE

Surface Preparation : The preparation of the concrete is of utmost importance for the effective use of this product. Concrete must be firm, hard and free from old coatings, contaminants which may impair adhesion. The concrete must have a profiled textured surface, which can be achieved by captive shot blasting or grinding. For areas which are contaminated by oil and grease, HCA (hot compressed air) treatment may be required. All dust and debris must be vacuumed away to leave a clean and dust free surface.

Priming : Priming is required and undertaken with **SOLIDSEAL BA** - an acrylic primer. Apply one coat of primer by roller, brush or spray. Apply the primer to the prepared surface and allow drying. Allow to become touch dry before application of **SOLIDFLOOR TOP FINISH**.

Mixing : **SOLIDFLOOR TOP FINISH** is mixed applied by specialist mixer / pump. Measure 5.5 litre cool, potable water, into a suitable sized mixing vessel and mix full bag of **SOLIDFLOOR TOP FINISH**. Mix the composition for 3 ~ 5 minutes until a homogenous mix is observed. Mixing shall be carried out with a slow speed drill (400 ~ 500 rpm) fitted to a paddle attachment.

Application : Pour the material, immediately after completion of mixing, on the dry, primed surface, spread with a trowel and allow to 'self-level'. The required thickness must be achieved in one application. For best result, the pouring and leveling should be a continuous process. If complete flooring is to be done, material pouring shall be started from dead end (from the farthest end of entry / exit location).

Note : If the mix stiffens, it should be discarded. Do not attempt to re-mix with water.

Curing : In normal condition **SOLIDFLOOR TOP FINISH** does not require curing, but in harsh climatic condition of direct sunlight, drying wind etc., freshly hardened surfaces should be covered completely with a polythene sheet for 2 days.

Cleaning : Tools and equipment should be cleaned immediately by washing with water. Cured material can only be removed by mechanical means.

CHEMICAL RESISTANCE

SOLIDFLOOR TOP FINISH has good resistance to water and oils, however, if continuous contact with water is expected or if attack from organic solvents, organic or inorganic acid is likely, the surface should be protected by a suitable resin based coating. Where **SOLIDFLOOR TOP FINISH** has not been over coated it may be cleaned with a scrubbing machine. It should not be cleaned with strong acidic or alkaline based cleaning materials.

PROPERTIES

Fresh Wet Density	2100 kg / cm ² .
Minimum Application Temp.	6 °C.
Maximum Application Temp.	30 °C.
Pot Life	20 minutes.
Open Time / Workability@ 30 °C	30 minutes.
Min Application Thickness	5 mm.
Max Application Thickness	15 mm for topping, 50 mm for base.
Open to Foot Traffic	8 hours.
Open to Light Traffic	18 hours.
Water / Powder Ratio	0.18.
Moisture Content @ 24 hours	< 5% temp / RH-20 °C / 65%.

DESIGN CRITERIA

- > New concrete floors should be at least 28 days old, prior to the application of **SOLIDFLOOR TOP FINISH**
- > The substrate on to which the **SOLIDFLOOR TOP FINISH** is to be applied must be generally clean, sound and free from oil, grease and other contaminants.
- > The substrate should have either a compressive strength of 25 N / mm or a surface tensile strength in excess of 1.25 N / mm and a relative humidity not exceeding 75% at the time of installation. The relative humidity must not be greater than 80% if a **SOLID** resin based coating is applied. Cracks and holes should be repaired with **SOLIDFIX**.

Disclaimer : The information provided in the data sheets is based on both current development of work and years of field experience. Efforts are made to ensure that the information is reliable, however, we cannot accept the responsibility for any work carried out with our materials as we have no control over methods of application, site conditions etc. In view of continuing research and development (R&D) undertaken in our laboratories, we advise customers to ensure that the data sheets provided are not superseded by an updated publication. All products are sold are subject to our standard condition of sale, which is available on request. Field services, where provided, does not constitute supervisory responsibility. For additional information, please contact our local **SOLID** representative.



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