



# SOLIDFLOOR UNDERLAYMENT

One Part Self Leveling Underlayment



## BENEFITS

- > Economical.
- > Fast setting.
- > Self leveling for smooth and flat floors.
- > Pumpable through standard equipment.
- > Excellent consistency and assured quality.
- > Flowable consistency for self leveling application.
- > Excellent fire resistance.
- > Durable.
- > Exceptional coverage rate for maximum yield and value.
- > Minimal shrinkage for outstanding resistance to cracking.
- > High early strength.
- > Excellent bond strength for composite.

## DESCRIPTION

**SOLIDFLOOR UNDERLAYMENT** is a free flowing, self levelling, compound specially designed for easy application over concrete floor as an underlayment for subsequent placement of floor coverings. It is suitable for use as a repair and levelling course and may be applied at thicknesses from feathered edges to 50 mm. **SOLIDFLOOR UNDERLAYMENT** is a one part system requiring only the addition of water for mixing.

## USES

**SOLIDFLOOR UNDERLAYMENT** is suitable for:

- > Interior sound concrete sub-surface.
- > Unlevelled floors.
- > Repair of old or worn concrete.
- > Wooden floors.
- > Old floors with cut back adhesive.

## PACKING & COVERAGE

**SOLIDFLOOR UNDERLAYMENT** is available in 25 kg in HDPE bags with a coverage of 1.8 kg / mm / m<sup>2</sup>.



## SPECIFICATION

**SOLIDFLOOR UNDERLAYMENT** is a one part free flowing, self leveling compound available in 25 kg in HDPE bags with a coverage of 1.8 kg / mm / m<sup>2</sup>.

## SHELF LIFE & STORAGE

**SOLIDFLOOR UNDERLAYMENT** 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 reduce shelf life.

## HEALTH & SAFETY

**SOLIDFLOOR UNDERLAYMENT** is non-toxic, non flammable and splashes on skin should be washed by plenty of water. If contact with eyes occurs, wash well and seek medical advice.

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## HOW TO USE

**Surface Preparation :** New concrete must be a minimum of 28 days old and must be rough textured at the time of placement to secure a good mechanical bond for the underlayment. Concrete must be clean and free of oil, dirt, debris, curing compounds, sealers, paint and unsound concrete should be removed. Acid etching is acceptable only when mechanical preparation is impractical. It is recommended that only contractors with experienced with acid etching process should use this method of surface preparation. Allow the concrete to completely dry. All concrete should possess an open surface texture with all curing compounds and sealer removed. Use **SOLIDSEAL BA** as a bonding agent (primer) ~ 1 coat.

**Mixing :** All materials should be in proper temperature range of 6 ~ 30 °C. Small quantities of **SOLIDFLOOR UNDERLAYMENT** should be bucket mixed with a drill and mixer. Larger project are best placed with standard grouting and underlayment equipment. Add the appropriate amount of water for the batch size and then add the dry product. DO NOT use water at a rate that will cause bleeding and segregation. Typical water requirement is 200 ~ 220 ml / kg. Mix for a minimum of 3 ~ 5 minutes. Once the product is mixed, the product should be quickly transported to the application area and poured immediately.

**Placement :** The product must be continuously placed to provide a smooth and uniform surface. Start in one corner placing a continuous stream of material along one edge of the area and back lap as soon as possible for a uniform, smooth surface. Tools such as spike rollers, trowels and smoothers may be used to assist placement.

**Finishing :** This product is self leveling and requires no finishing and trowelling operation.

**Curing :** It does not require curing with standard methods for most applications.

**Cleaning :** Clean tools and equipment with water before the material hardens.

## TYPICAL PROPERTIES

<i>Compressive Strength</i>	25 N / mm @ 28 days
<i>Tensile Strength</i>	1.85 N / mm @ 28 days
<i>Fresh Wet Density</i>	2100 kg / m
<i>Min. Application Temperature</i>	6 °C
<i>Max. Application Temperature</i>	30 °C
<i>Open Time / Workability</i>	30 minutes @ 30 °C
<i>Min. Application Thickness</i>	5 mm
<i>Max. Application Thickness</i>	50 mm
<i>Open to Foot Traffic</i>	4 hours
<i>Open to Light Traffic</i>	18 hours
<i>Water / Powder Ratio</i>	0.14
<i>Moisture Content @ 24 hours</i>	< 5% temp / RH-20 °C / 65%

## QUALITY ASSURANCE

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

## 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.

**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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