



PACTOTop SL-Underlay

Self-Levelling Cement/Acrylic Based Underlay

DESCRIPTION

PACTOTop SL-Underlay is a two component system consisting of specially selected cement based powders and a liquid component which is a blend of copolymers. When mixed, the product provides a smooth and self-levelling material, which can be laid to a feather edge up to 10 mm thickness.

TYPICAL USES

To provide a durable, self smoothing floor surface which will protect the substrate from mild chemical attack and water penetration.

To provide a self-levelling, cement based underlay material for a wide range of floor finishes including carpets, tiles, vinyl and rubber sheet.

ADVANTAGES

- Supplied in premeasured components giving consistent performance.
- Self Smoothing
- Improved adhesion characteristics
- Water resistant
- Improved flexibility
- Cushioning effect reduces fatigue and pedestrian noise
- Polymer modified to ensure excellent adhesion to prepared substrate.
- Curing is not generally required.
- Easy to lay
- Excellent early strength gain.

TECHNICAL DATA

Typical results @25°C

Pot life	10 minutes
Flow (BS 890 Cone)	>30cm
Compressive strength	
28 days	20N/mm ²
56 days	26N/mm ²
Typical thickness	from feather edge up to 10mm

APPLICATION

SURFACE PREPARATION

It is essential that adequate preparation is carried out prior to the application of **PACTOTop SL-Underlay**.

The floor to be treated must be free from dust, loosely adhering material, plaster and cement droppings, grease, oil and paint, etc. Light sweep blasting is recommended to ensure the removal of all laitance, grease and oil. Etching with dilute hydrochloric acid may be carried out in very light traffic environments providing the floor is neutralized, wet vacuumed and allowed to dry prior to application.

PRIMING

The substrate must be primed using **PACTOTop Primer** at the rate of 5-7m²/Litre. On very porous substrates it may be necessary to apply a second coat of primer if absorption is noted to be high. The primer/sealer must completely seal the floor or air release will cause bubbles to form in the **PACTOTop SL-Underlay**.

MIXING

PACTOTop SL-Underlay is supplied as a two-component consisting of a liquid component and a powder component.

Add approximately 50% of the liquid component to a clean 25 Litre steel drum and gradually add the powder whilst mixing using a slow speed heavy duty drill fitted with a suitable mixing paddle. Mix for 2 minutes. Slowly add the remaining liquid whilst mixing and continue mixing for a further 2 minutes.

APPLICATION

Pour the mixed product onto the primed touch dry substrate and spread using a squeegee or a pin screed. The material must then be rolled using a spiked roller with spikes of a length greater than the depth to be laid. There should be no delay between levelling the product and spike rolling.



Troweling is not required. For large areas good site organization is essential and the use of a grout pump may prove beneficial. For thickness over 10mm, it is necessary to either fill out the product to a trowelable consistency with fine silica sand or to apply in layers of less than 10mm allowing each layer to cure and then re-prime prior to the next layer being applied.

Contact **PAC Technologies technical Service** for more information.

CURING

Curing is generally not required but in conditions of drying winds and high ambient temperatures the freshly hardened surface should be cured with a sealed polyethylene sheet.

SUBSEQUENT TREATMENTS

The product should be allowed to cure for 72 hours @ 25 °C when followed by carpets, thermoplastic tiles etc.

EQUIPMENT CLEANING

All equipment may be cleaned with water but cured material can only be removed by mechanical means.

APPLICATION TEMPERATURE RANGE

Minimum	5 °C
Maximum	35 °C

PACKAGING AND YIELD

PACTOTop SL-Underlay is supplied as a two product component weighing 21.6 Kg with a yield of 11 Liters.

PACTOTop SL-Underlay Primer is supplied in 5 and 20 Litre packs with a coverage rate of 5 - 7m²/Litre.

STORAGE AND SHELF LIFE

When stored in a cool environment, in original unopened containers, the material has a shelf life of 12 months.

HEALTH AND SAFETY

The product is non-toxic but is mildly alkaline. Gloves should be worn during use. Splashes to the skin should be washed with clean water. Accidents splashes to the eyes should be washed with water but should prolonged irritation occur, medical advice should be sought.

FLAMMABILITY

PACTOTop SL-Underlay and **PACTOTop SL-Underlay Primer** are non-flammable.



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