



# Sikafloor® 30 PurCem

## Polyurethane Pre-Levelling Mortar

### Technical Data Sheet

#### DESCRIPTION

**Sikafloor 30 PurCem** is a three component, polyurethane, solvent free, underlay and pre-levelling mortar designed for bulk filling prior to application of the chosen **Sikafloor** system, particularly the **Sikafloor PurCem** range

#### USES

- \* Daires and food plants.
- \* Pharmaceutical plants.
- \* Containment areas.
- \* Heavy engineering.
- \* Chemical process areas.

#### ADVANTAGES

- \* Economic pre-levelling.
- \* Quick overcoat times.
- \* Excellent patch repair mortar prior to overcoating.
- \* Compatible with **Sikafloor PurCem** range.
- \* Impervious surface finish.

#### FLOOR COATING SYSTEM:

<b>Primer coat:</b>	<b>Sikafloor 155W/156/157</b> as a tack coat. Ensure primer is tacky and not wet.
<b>Base coat:</b>	<b>Sikafloor 30 PurCem.</b>
<b>Top coat:</b>	Chosen <b>Sikafloor PurCem</b> finish.
<b>Material consumption:</b>	Approx 2.0 kg/m <sup>2</sup> per mm.

#### Technical Data (typical)

<b>Colour:</b>	Grey
<b>Density (SG):</b>	2.0 kg/litre
<b>Volume solids:</b>	100%
<b>Application temperatures:</b>	+5°C min, +30°C max (Substrate and ambient)
<b>Substrate M.C:</b>	≤10% by Wt
<b>Application thickness:</b>	10 mm minimum 60 mm maximum
<b>MECHANICAL PROPERTIES:</b>	
<b>Compressive strength:</b>	>50 N/mm <sup>2</sup>
<b>Additional application information:</b>	@ +20°C
<b>Pot life:</b>	15 mins
<b>Waiting time between coats:</b>	min 8 hours max 3 days
<b>Final drying times:</b>	Foot traffic: 8 hours Lightly serviceable: 3 days Fully serviceable: 5 days

**Note:** All above values are approximate.

## SURFACE PREPARATION

The cementitious substrate should be sound and of sufficient compressive strength. (Min 25 N/ mm<sup>2</sup>) . Minimum pull off strength 1.5 N/mm<sup>2</sup>.

The surfaces must be dry and free of all contaminants eg oils, grease, surface treatments and coatings etc. The substrate must be prepared mechanically to achieve an open textured fine gripping surface, free of cement laitance. Weak concrete should be removed and surface defects such as blowholes and voids must be fully exposed.

All dust, loose and friable material must be completely removed from all surfaces before application of the coating preferably by brush and vacuum.

## MIXING

Prior to mixing, stir component A (resin), add all of component B (Hardener) and mix both liquid components thoroughly with a low speed electric stirrer (300 - 400 rpm) for a minimum of 1 minute until a uniform mix has been achieved.

Gradually add component C (aggregate) to the mixed A and B components in the mixer for a further 3 minutes minimum until a uniform moist mix is obtained.

## APPLICATION

Prior to application, confirm substrate moisture content. If >10% by wt. **Sikafloor® EpoCem®** may be applied as a D.P.M. system

Pour **Sikafloor 30 PurCem** onto substrate and rake to a uniform thickness. Finish material with a steel trowel.

Screed rails can be used to achieve a uniform line and level if required.

## IMPORTANT CONSIDERATIONS

- \* Do not apply **Sikafloor 30 PurCem** on substrates in which significant vapour pressure may occur.
- \* **Thinner C** is flammable. NO NAKED FLAMES.
- \* Always ensure good ventilation when using **Sikafloor 30 PurCem** in a confined space.
- \* Freshly applied **Sikafloor 30 PurCem** should be protected from damp, condensation and water for at least 24 hours.

## CLEANING EQUIPMENT

Use **Thinner C**. Hardened material may have to be mechanically removed.

## PACKAGING

Refer to latest price list

## CONSUMPTION

Approximately 2.0 kg/m<sup>2</sup>/per mm. (These figures do not allow for surface porosity, profile or wastage).

## STORAGE AND SHELF LIFE

Minimum 6 months in sealed containers stored in dry warehouse conditions (+10°C - +30°C).

### Handling Precautions

Sika products are generally harmless provided that certain precautions normally taken when handling chemicals are observed. The materials must not, for instance, be allowed to come in contact with foodstuffs or food utensils and measures should also be taken to prevent the uncured materials from coming in contact with the skin, since people with particularly sensitive skin may be affected. The use of protective clothing, goggles, barrier creams and rubber gloves is required. The skin should be thoroughly cleaned at the end of each working period either by washing with soap and warm water or by using a resin-removing cream - the use of powerful solvents is to be avoided. Disposable paper towels - not cloth towels - should be used to dry the skin. Adequate ventilation of the working area is recommended. In case of accidental eye or mouth contact, flush with water - consult a doctor immediately. Health and Safety information on Sika Products is available and we strongly advise that this is read prior to their use. Sika products are for professional use and should be stored in sealed containers away from the reach of children.

### Important Note

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the Technical Data Sheet for the product concerned, copies of which will be supplied on request.

Please consult our Technical Sales Department for further information

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