



Sikafloor[®] Level 5

Polymer Modified, Cementitious, Self Smoothing Sub-Floor Compound
(Formerly Armorfloor SF5)

Technical Data Sheet

DESCRIPTION

Sikafloor Level 5 is a two component, polymer modified, smoothing sub-floor compound which can be applied manually to achieve rapid flat, economic substrate levelling between 0-5 mm prior to the application of the final floor finish.

USES

- * Commercial buildings.
- * Cellars.
- * Corridors.
- * Hospitals.
- * Domestic.
- * Light to medium duty traffic.

ADVANTAGES

- * Applied directly over old tile adhesive, quarry tiles, sand and cement screeds.
- * Excellent underlay for resin flooring tiles, sheet systems, carpet, wood and laminates.
- * Rapid drying.
- * Floor coverings laid within 24 hours.
- * 4 hour walk on time (20°C).
- * Underlayment for carpet, wooden floors.
- * Protein free.
- * Low odour.
- * Non hazardous.
- * Environmentally friendly.
- * No water required.
- * Pre-batched system for quality.

Technical Data (typical)

Colour:	Grey
Density (SG):	2.10 kg/litre (mixed wet) 1.70 kg/litre (dry)
Application temperatures:	+5°C min, +25°C max (Substrate and ambient)
Application thickness:	0 mm minimum 5 mm maximum
MECHANICAL PROPERTIES:	
Additional application information:	All data tested at +20°C
Compressive strengths:	15 N/mm ² @ 24 hours >30 N/mm ² @ 28 days
Pot life:	30 mins
Overcoating:	
Water based materials	4 hrs
Solvented materials	24 hrs
Solvent free materials	36 hrs
Final drying times:	
Foot traffic	4 hrs
Lightly serviceable	1 day
Fully serviceable	2 days

All above values are approximate.

SURFACE PREPARATION

The cementitious substrate should be sound and of sufficient compressive strength. (Min 25 N/mm²) .

Minimum pull off strength 1.5 N/mm².

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.

Ensure that an effective damp proof membrane is in place before installation of **Sikafloor Level 5**. For advice on how to achieve this, please contact Sika Limited Technical Department.

MIXING

Add one 22.5 kg unit of **Sikafloor Level 5** powder to 4.95 kg of **Sikafloor Level 5 Polymer Solution** in a clean mixing vessel and mix using a slow speed drill fitted with a **Sika-Armorex** mixing paddle.

Mix for a minimum of 3 minutes or until a smooth, lump-free, uniform consistency is achieved.

APPLICATION

On porous substrates it may be necessary to dampen the surface with water or apply a coat of **Sikafloor Level 5 Polymer Solution**. Remove any puddles which may have formed and allow to dry prior to application of the mixed **Sikafloor Level 5**.

Pour the mixed **Sikafloor Level 5** onto the floor and spread to the required thickness using a steel float. Any residual trowel marks may be removed when the screed is dry by rubbing the surface with a carborundum stone.

IMPORTANT NOTES

- * Freshly applied **Sikafloor Level 5** should be protected from damp, condensation and water for at least 24 hours.
- * Only mix with **Sikafloor Level 5 Polymer Solution**.
- * Low temperatures extend the drying times.
- * Temperature variations will affect the pot life.
- * **Sikafloor Level 5** does not provide an aesthetic finish or a wearing surface. Product should always be overcoated or overlaid.
- * Not suitable for slopes or inclines >0.5%.
- * When applying outside, protect from direct sunlight, hot or strong winds and extremes of temperature to avoid cracking or crazing.
- * When overcoating with **Sikafloor** resins, light abrasion may be required to remove any laitance which may have formed during application.

CLEANING EQUIPMENT

Use water. Hardened material may have to be mechanically removed.

PACKAGING

Powder: 22.5 kg bags.
Polymer Solution: 4.95 kg units.

CONSUMPTION

Approximately 2.10 kg/m²/mm. (These figures do not allow for surface porosity, profile or wastage).

STORAGE AND SHELF LIFE

Minimum 12 months in sealed containers stored in dry warehouse conditions (+5°C - +25°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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