



Sikafloor® 355

Coloured Elastic Polyurethane Flooring System

Technical Data Sheet

DESCRIPTION

Sikafloor 355 is a two component solvent free, coloured crack bridging, polyurethane based self smoothing coating.

USES

- * Manufacturing areas.
- * Production areas.
- * Warehousing.
- * Footbridges.
- * Car park deck membrane.
- * Laboratories.
- * Storage rooms.
- * Corridors.
- * Plant rooms.
- * Balconies.

ADVANTAGES

- * Highly elastic.
- * High mechanical resistance.
- * Proven long term performance.
- * High durability.
- * Jointless.
- * Waterproof.
- * Cost effective.
- * Solvent free.

FLOORING SYSTEM:

(For Car Park Decking system see separate data sheet)

Primer: 1 - 2 x **Sikafloor 156/157.**

Top coat: 1 x **Sikafloor 355**

Broadcast coat: 1 x **Sikafloor 355** blinded to excess with kiln dried quartz sand

Material consumption: Approx 1.2 kg/m² per mm.

Seal coat: 1 - 2 **Sikafloor 357N.**

Technical Data (typical)

Colour: Refer to colour chart and current price list for availability and minimum order quantities.

Density (SG): Approx 1.2 kg/litre

Volume solids: Approx 100%

Application temperatures & humidity conditions: +10°C min, +30°C max (Substrate and ambient)
RH 50% max @ 30°C
RH 75% max @ 25°C

Substrate M.C. & RH: ≤4% by Wt or ≤75% RH

Application thickness: 0.5-3.0 mm minimum

MECHANICAL PROPERTIES:

Elongation at break: 115% @ 23°C

Tensile strength: >14N/mm²

CHEMICAL RESISTANCE:

(Consult Sika Ltd for additional information) Water, salt solutions, white spirit, alkalis, cleaning agents, heating oil, disinfectants.

Additional application information:

	+10°C	+20°C	+30°C
Pot life:	60 mins	30 mins	15 mins

Final drying times:

Foot traffic:	24 hrs	10 hrs	5 hrs
Lightly serviceable:	3 days	1 day	18 hrs
Fully serviceable:	7 days	5 days	4 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.

Repairs to cementitious substrate and filling of blowholes levelling of irregularities etc should be carried out using an appropriate product from the **SikaDur**®, **Sikafloor**® or **SikaGard**® range of materials.

MIXING

Prior to mixing, stir component A (resin), add all of component B (Hardener) and mix both components thoroughly with a low speed electric stirrer (300 - 400 rpm) for a minimum of 3 minutes until a uniform mix has been achieved. Leave material to stand in container until the majority of air bubbles have dispersed.

APPLICATION

Prior to application, confirm substrate moisture content and RH. If >4% by wt or >75% RH. **Sikafloor**® **EpoCem**® may be applied as a D.P.M. system

Pour mixed **Sikafloor 355** onto 'tack free' primed substrate and spread evenly to the required thickness with trowel. Roll immediately in two directions with spiked roller. Existing cracks must be stripe coated with **Sikafloor 355** before application of top coat.

IMPORTANT CONSIDERATIONS

- * Construction joints require pre treatment with a stripe coat. Contact **Sika Ltd** for further details.
- * Do not apply **Sikafloor 355** on substrates in which significant vapour pressure may occur.
- * **Thinner C** is flammable. NO NAKED FLAMES.
- * Always ensure good ventilation when using **Sikafloor 355** in a confined space.
- * Avoid contact with all sources of moisture during application and when freshly applied.
- * Freshly applied **Sikafloor 355** should be protected from damp, condensation and water for at least 24 hours.
- * **Sikafloor 355** will discolour under UV exposure.
- * **Sikafloor 355** must always be sealed.
- * For best ductility and UV stability use **Sikafloor 357N** as the sealer coats. This can incorporate fine aggregate for a slight slip resistant finish.
- * Do not apply in direct sunshine.

CLEANING EQUIPMENT

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

PACKAGING

Refer to latest price list.

CONSUMPTION

Approximately 1.2 kg/m²/mm. (This figure does not allow for surface porosity, profile or wastage). Maximum yield per pack - refer to latest price list.

STORAGE AND SHELF LIFE

Minimum 1 year in sealed containers stored in dry warehouse conditions (+5°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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