



# Sikafloor® 261

## Coloured Universal Epoxy Resin Flooring System

### Technical Data Sheet

#### DESCRIPTION

**Sikafloor 261** is a two component solvent free coloured universal epoxy resin based flooring system. The material can be used as a high build smooth coating (for textured finish use **Sikafloor 261 Thixo**) or filled with sand to produce a self smoothing screed.

#### USES

- \* Manufacturing areas.
- \* Wet and dry process areas.
- \* Laboratories.
- \* Production areas.
- \* Storage areas.
- \* Plant rooms.
- \* Clean rooms.
- \* Cold rooms.
- \* Work areas.
- \* Car park decking.

#### ADVANTAGES

- \* Versatile - one product for many applications.
- \* High mechanical properties.
- \* Good abrasion resistance.
- \* Good chemical resistance.
- \* High durability.
- \* Coloured.
- \* Solvent free.
- \* Safe to use.
- \* Easy and fast to apply - low viscosity.
- \* Easily cleaned and maintained.
- \* Waterproof.

#### FLOOR COATING SYSTEM:

##### High build coating:

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

**Top coat:** 1 - 2 x **Sikafloor 261** (unfilled)

**Material consumption:** Approx 0.4 - 0.6 kg/m<sup>2</sup> per coat.

##### Self smoothing screed:

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

**Top coat:** 1 x **Sikafloor 261** (filled)

**Material consumption:** Approx 1.8 kg/m<sup>2</sup> per mm (filled)

#### Technical Data (typical)

<b>Colour:</b>	Refer to colour chart and current price list for availability and minimum order quantities		
<b>Density (SG):</b>	Approx 1.4 kg/litre (unfilled) Approx 1.8 kg/litre (filled)		
<b>Filler mix ratio:</b>	<b>Sikafloor 261 : Sikafloor 261 Filler.</b> 1 : 0.6-1.2 pbw		
<b>Volume solids:</b>	Approx 100%		
<b>Application temperatures &amp; humidity conditions:</b>	+10°C min*, +30°C max (Substrate and ambient) RH 85% max		
<b>Substrate M.C. &amp; RH:</b>	≤4% by Wt or ≤75% RH		
<b>MECHANICAL PROPERTIES:</b>			
<b>Abrasion resistance: (Taber)</b>	60 mg		
<b>Shore D hardness:</b>	77 (unfilled)		
<b>Heat resistance:</b>	Continuous exposure 50°C Short term exposure 120°C		
<b>CHEMICAL RESISTANCE:</b>	Refer to chart (Consult Sika Ltd for additional information)		
<b>Additional application information:</b>	<b>+10°C</b>	<b>+20°C</b>	<b>+30°C</b>
<b>Pot life:</b>	60 mins	30 mins	15 mins
<b>Waiting time between coats:</b>			
min	30 hrs	24 hrs	12 hrs
max	3 days	2 days	1 day
<b>Final drying times:</b>			
Foot traffic:	2 days	1 day	1 day
Lightly serviceable:	4 days	2 days	2 days
Fully serviceable:	10 days	7 days	5 days
* Under certain conditions temperature may be reduced to 5°C. Refer to Sika Limited.			
All above values are approximate.			

#### Broadcast system:

**Primer/base coat:** 1 x **Sikafloor 261** (filled)  
1.5 - 2.0 mm thickness  
Blind with kiln dried quartz sand granulometry to suit (approx 4 - 6 kg/m<sup>2</sup>)

**Seal coat:** 1 x **Sikafloor 261** (unfilled) at approx 0.6 - 0.8 kg/m<sup>2</sup>.

## SURFACE PREPARATION

The cementitious substrate should be sound and of sufficient compressive strength. (Min  $25 \text{ N/mm}^2$ ). Minimum pull off strength  $1.5 \text{ N/mm}^2$ .

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**<sup>®</sup>, **Sikafloor**<sup>®</sup> or **SikaGard**<sup>®</sup> 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.

For filled systems, decant mixed material into a clean container and add **Sikafloor 261** filler or kiln dried quartz sand (0.1 - 0.3 mm) at a ratio of 1:0.6 - 1.2 gradually while mixing then thoroughly mix for a further 2 minutes. 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**<sup>®</sup> **EpoCem**<sup>®</sup> may be applied as a D.P.M. system

**High build coating:** Apply mixed **Sikafloor 261** onto primed substrate by brush or roller.

**Self smoothing screed:** Pour mixed **Sikafloor 261** onto primed substrate and spread evenly to the required thickness with trowel.

Roll immediately in two directions with spiked roller.

### 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

SIKA LIMITED

Watchmead, Welwyn Garden City, Hertfordshire, AL7 1BQ

Tel: 01707 394444 Email: sika@uk.sika.com

Fax: 01707 329129 www.sika.com



**Broadcast system:** After application of **Sikafloor 261** self smoothing screed to unprimed substrate, allow to partially cure and blind surface with kiln dried quartz sand (granulometry to suit slip resistance requirements). Allow **Sikafloor 261** to cure and remove loose sand.

Apply by trowel, sealer coats of unfilled **Sikafloor 261** and back roller with short pile roller.

## IMPORTANT NOTES

- \* Construction joints require pre treatment with a stripe coat. Contact **Sika Ltd** for further details.
- \* Do not apply **Sikafloor 261** on substrates in which significant vapour pressure may occur.
- \* **Thinner C** is flammable. NO NAKED FLAMES.
- \* Always ensure good ventilation when using **Sikafloor 261** in a confined space.
- \* Freshly applied **Sikafloor 261** should be protected from damp, condensation and water for at least 24 hours.
- \* Can be applied to a gradient  $<2\%$ .
- \* For matt finish to self smoothing screed blind surface with **Plastorit**<sup>®</sup>.
- \* Application may vary depending on the type of sand used and mixing ratio.

## CLEANING EQUIPMENT

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

## PACKAGING

Refer to latest price list

## CONSUMPTION

Refer to floor coating system (These figures do not allow for surface porosity, profile or wastage). Maximum yield per pack - refer to current price list.

## STORAGE AND SHELF LIFE

Minimum 1 year in sealed containers stored in dry warehouse conditions ( $+5^{\circ}\text{C}$  -  $+25^{\circ}\text{C}$ ).