November 2002

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:

<u>High build coating</u>:

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

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

Material consumption: Approx 0.4 - 0.6 kg/m² per coat.

<u>Self smoothing screed</u>:

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

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

Material consumption: Approx 1.8 kg/m² per mm (filled)

Technical Data (typical)

Colour:	Refer to colour chart and current price list for availability and minimum order quantities
Density (SG):	Approx 1.4 kg/litre (unfilled) Approx 1.8 kg/litre (filled)
Filler mix ratio:	**Sikafloor 261** : **Sikafloor 261 Filler**. 1 : 0.6-1.2 pbw
Volume solids:	Approx 100%
Application temperatures & humidity conditions:	+10°C min*, +30°C max (Substrate and ambient) RH 85% max
Substrate M.C.& RH:	≤4% by Wt or ≤75% RH
MECHANICAL PROPERTIES:	
Abrasion resistance: (Taber)	60 mg
Shore D hardness:	77 (unfilled)
Heat resistance:	Continuous exposure 50°C Short term exposure 120°C
CHEMICAL RESISTANCE:	Refer to chart (Consult Sika Ltd for additional information)

Additional application information:	**+10°C**	**+20°C**	**+30°C**
Pot life:	60 mins	30 mins	15 mins
Waiting time between coats:			
min	30 hrs	24 hrs	12 hrs
max	3 days	2 days	1 day
Final drying times:			
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.

<u>Broadcast system</u>:

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/m²)

Seal coat: 1 x **Sikafloor 261** (unfilled) at approx 0.6 - 0.8 kg/m².

SURFACE PREPARATION

The cementitious substrate should be sound and of sufficient compressive strength. (Min 25 N/ mm^2) . Minimum pull off strength 1.5 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®**, **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.

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® EpoCem®** 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.

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®**.
- 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°C - +25°C).

Please consult our Technical Sales Department for further information

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