

Sikafloor® 261

Economical selfsmoothing coating and broadcast layer

Product description:

Sikafloor 261 is a 2-pack epoxy binder of low viscosity. Due to the low viscosity highly filled selfsmoothing and broadcast coatings can be produced.

Solvent-free as per ibh-recommendation

Fields of application:

For selfsmoothing and broadcast floors in all industries with normal up to medium heavy wear, e.g. storage and assembly halls, maintenance workshops. The broadcast system is recommended for wet works e.g. in beverage industry, dairies, loading ramps, plane hangars. For concrete and cement screed. Also as sealer coat on top of blinded epoxy screeds.

Properties:

- o Universally applicable
- o high chemical and mechanical resistance
- o impervious
- o easy application
- o abrasion resistant

Test reports:

Physiological harmlessness,
Test report no. P 1404 - 5a, Polymer Institut, Flörsheim-Wicker

Colour shades:

Standard colours:

pebble grey approx. RAL 7032, stone grey approx. RAL 7030,
dust grey approx. RAL 7037.

Furthermore almost any special colour can be manufacture,
minimum quantity 200 kg.

In case of bright colour shades, e.g. yellow or orange, colour
deviations may occur due to backfilling with quartz sand. Also
the coverage ability of these colours are limited when used for
sealings. Therefore, own tests are absolutely necessary.

In general epoxy resins are not colour retentive when exposed to
UV and weathering.

Pack size:

Sikafloor 261: 26 kg net.

Shelf life:

In closed original containers and in dry environment minimum
1 year.

Product data:

Coating system/ material consumption:

Self smoothing floors

Priming:

1 x Sikafloor 156 0,3-0,5 kg/m² for normally absorbant surfaces.

Levelling:

Rough surfaces, e.g. after mechanical preparation, must be levelled
by means of a scraping mortar of Sikafloor 156 or
Sikafloor 81 EpoCem (see also technical data sheet of Sikafloor 156
or Sikafloor 81 EpoCem).



Sikafloor 261-levelling mortar 1,5–3 mm:

Mixing ratio: 1 pbw Sikafloor 261
1 pbw quartz sand F 36 (0,08–0,25 mm)

Material consumption

0,9 kg/m² binder
1,8 kg/m² ready mixed mortar per mm layer
thickness

Broadcast layer approx. 4 mm

Priming:

Not necessary on normal absorbant surfaces

Base layer

2,0 kg/m² Sikafloor 261
2,2 kg/m² quartzsand 0,08–0,25 mm (F36)

Broadcasting

approx. 3,5 kg/m² quartzsand 0,4–0,7 mm

Sikafloor 261-top sealer:

approx. 0,7 kg/m² depending on granulometry of broadcasting material.

In case of lower temperatures, thinner layer thicknesses or special colour shades, a lower proportion of quartz sand must be taken in account.

Mixing ratio:

Sikafloor 261: A : B = 10 : 3 p.b.w.
A : B = 69 : 31 p.b.v

Technical data:

Type	testing standard	final curing	characteristic value
specific gravity binder mixed 1:1 with quartz sand	DIN 53 217		1,4 kg/ltr 1,8 kg/ltr
Shore hardness D	DIN 53 505	7 days/23 °C	76
compressive strength	EN 196-1	21 days/23°C	60 N/mm ²
Taber Abraser	DIN 53 109	8 days/23 °C	60 mg

Resistance:

Mechanical:

Suitable for light and medium mechanical exposure.

Chemical:

Sikafloor 261 levelling mortar is resistant to:

aluminium sulphate, ammonium sulphate, concentrated ammonia, sodium chloride, sodium phosphate, iron chloride, copper sulphate, animal and vegetable oils and fats, petrol, Diesel fuel, jet fuel, lactic acid 5%, tartaric acid 5% and drilling oil emulsions.

For more detailed information see Sikafloor chemical resistance list.

Thermal:

Temperature (without simultaneous chemical or mechanical exposure):
damp heat up to +80°C
dry heat up to +120°C.

Hints on application.

Condition of substrate:

The substrate must be of sufficient strength (min. compressive strength 30 N/mm²), even, fine-gripping, dense, dry (max. 4% moisture content) and free of loose and friable particles. Pull-off strength not below 1,5 N/mm².

Surface preparation:

Layers of insufficient strength and oily contamination must be removed mechanically, e.g. by blastcleaning or scabbling. Remove loose sand by vacuum cleaner.

Mixing:

Stir component A thoroughly prior to mixing. Mix component A + B in the right mixing ratio by means of an electric stirrer (approx. 300–400 rpm) intensively.

Mixing time at least 3 minutes until a homogeneous mixture is achieved. Fill mixed material into a clean container and mix again shortly.

Application method:

The ready mixed material is poured down in stripes and distributed by means of a squeegee (4 mm). If applied as a selflevelling floor ventilate the freshly applied layer with of a spike roller.

If Sikafloor 261 is used in a broadcast system blind the fresh layer with kiln-dried quartz sand 0,4–0,7 mm.

After drying the surplus sand must be swept off. The surface should be sanded in order to achieve a better optic and to reduce the material consumption. Afterwards the surface must be dedusted with an industrial vacuum cleaner.

The final coating can be applied by roller or squeegee.

Ambient and substrate temperature:

Minimum +10°C (but at least +3°C above dew point)
Maximum +30°C.
Relative air humidity max. 80%.

Pot life:

	+10 °C	+20 °C	+30 °C
Sikafloor 261	approx. 50 min.	approx. 25 min.	approx. 15 min.

Waiting time between coats:

Sikafloor 261	+10 °C	+20 °C	+30 °C
min.	24 h	8 h	approx. 5 h
max.	3 days	2 days	1 day

Curing:

Sikafloor 261	+10 °C	+20 °C	+30 °C
ready for foot traffic	3 days	1 days	18 h
ready for light exposure	6 days	4 days	2 days
full service ability	10 days	7 days	5 days

Overworkability: After mechanical roughening Sikafloor 261 can be overworked with itself.

Cleaning of implements: Thinner C

Precautionary measures: Component B of Sikafloor 261 falls under the dangerous goods regulations (class 8, alkaline caustic liquid).

In a liquid or not fully cured state the thinner and the product contaminate water and should not get into drains, water and ground.

Remnants of thinner and/or coating materials must be removed according to regulations.

During application risk and safety instructions on the containers must be observed.

During application and curing in confined areas, ditches, shafts etc. adequate ventilation must be provided. During this time open fire and other igniting agents (e.g. welding works) must be avoided.

In badly ventilated rooms only electric safety lamps are permitted. The installation of ventilation equipment must be spark safe.

Furthermore local regulations must be adhered to.

Further details are contained in our instructions "Health protection and prevention of accidents".

The information given in this data sheet is based on many years experience and is correct to the best of our knowledge. As the information given therein is of general nature, we cannot assume any responsibility nor as regards to patent/trademark rights of third parties. Success will always depend on the peculiarities of the individual case. We also refer to our standard conditions of sale. Please consult our technical department for further information.

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