

SYSTEM DATA SHEET

Sikafloor® - EB 24 system

Sikafloor®-161 system for flooring applications

SYSTEM DESCRIPTION

Sikafloor® - EB 24 system is a broadcasted unreinforced rigid and economic coloured flooring system based on epoxy resins for flooring applications.

USES

- For rigid, trafficable, slip resistant wearing layers for multi-storey and underground car-park intermediate decks.

CHARACTERISTICS / ADVANTAGES

- Middle to high abrasion resistance
- Good mechanical and chemical resistance
- Optional top coats to suit conditions
- Rigid
- Solvent-free

APPROVALS AND STANDARDS

- System components are all CE Marked and tested to EN 1504-2:2004 and EN 13813

COLOURS

Full in pail tinting service available, consult Sika Limited for further details.

PHYSICAL PROPERTIES

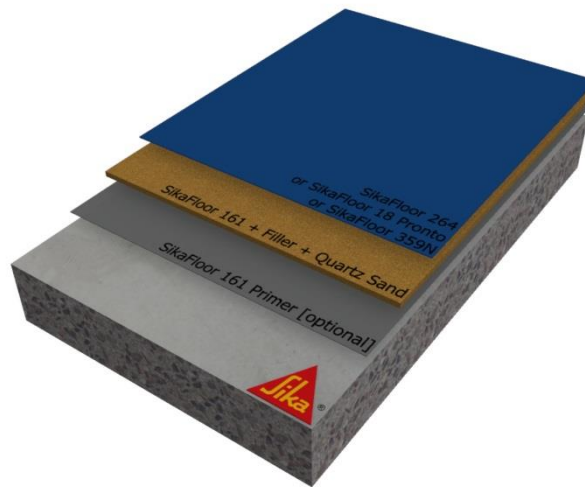
SLIP RESISTANCE	R 11	(DIN 51130)
CHEMICAL RESISTANCE	Sikafloor® - EB 24 system is resistant to oil, gasoline, petroleum. Please refer to the chemical resistance chart of the chosen top coat.	

APPLICATION INFORMATION

System Structure

System 1 (~ 3-4 mm)

Rigid broadcast system approx. 3-4 mm for interior use, unreinforced:



System1 Application

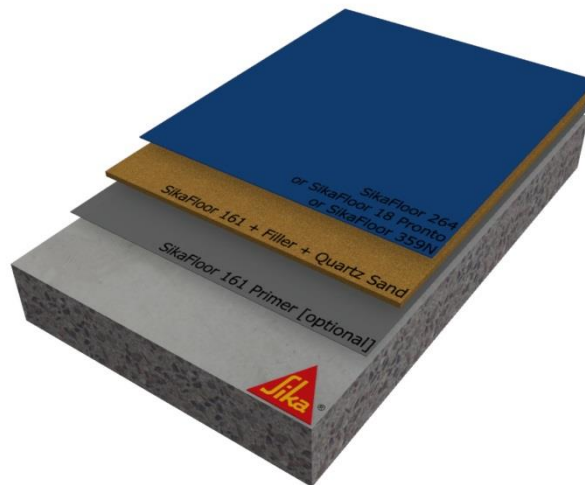
Coating System	Product	Consumption
Base Coat	Sikafloor®-161 filled 1:0.5 with Quartz Sand (0.06-0.3mm)	~ 1.8 kg/m ²
Broadcasting to excess	Quartz Sand 0.3-0.8mm	~ 6.0 kg/m ²
Seal Coat (Options)	1. Sikafloor® -264 (Gloss)	1-2 x ~ 0.7 kg/m ²
	2. Sikafloor® -359 (Matt)	1-2 x ~ 0.8 kg/m ²
	3. Sikafloor® -18 Pronto (Winter)	1-2 x ~ 0.5 kg/m ²

If necessary, different aggregate may be used in order to fulfil the client's specific requirements. These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level and wastage etc.

All areas subject to potential movement should be fleece reinforced with Sika Reemat Premium. Please consult Sika for further information.

System 2 (~ 2-3 mm)

Rigid broadcast system approx. 2-3 mm for interior use, unreinforced:



System 2 Application

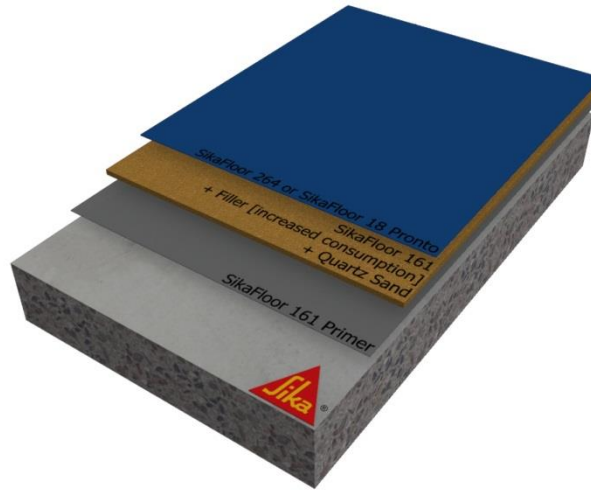
Coating System	Product	Consumption
Base coat	Sikafloor®-161 filled 1:0.5 with Quartz Sand (0.06-0.3mm)	~ 1.2 kg/m ²
Broadcasting to excess	Quartz Sand 0.3-0.8mm	~ 5.0 kg/m ²
Seal Coat (Options)	1. Sikafloor®-264 (Gloss)	1-2 x ~ 0.7 kg/m ²
	2. Sikafloor®-359 (Matt)	1-2 x ~ 0.8 kg/m ²
	3. Sikafloor®-18 Pronto (Winter)	1-2 x ~ 0.5 kg/m ²

If necessary, different aggregate may be used in order to fulfil the client's specific requirements. These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level and wastage etc.

All areas subject to potential movement should be fleece reinforced with Sika Reemat Premium. Please consult Sika for further information.

System 3 (~ 5-6 mm)

Rigid broadcast system approx. 5-6 mm for interior ramps, unreinforced:



System 3 Application

Coating System	Product	Consumption
Primer	1-2 x Sikafloor®-161	1-2 x ~0.4 kg/m ²
Broadcasting	Quartz Sand 0.6-1.2mm	~ 2.0 - 3.0 kg/m ²
Base coat	Sikafloor®-161 filled 1:1 with Quartz Sand (0.06-0.3mm) + 2% Extender T	~ 3.2 kg/m ²
Broadcasting in excess	Quartz Sand 0.6-1.2mm	~ 5.0 kg/m ²
Seal Coat (Options)	<ol style="list-style-type: none">1. Sikafloor® -264 (Gloss)2. Sikafloor® -359 (Matt)3. Sikafloor® -18 Pronto (Winter)	<ol style="list-style-type: none">1-2 x ~ 0.8 kg/m²1-2 x ~ 0.9 kg/m²1-2 x ~ 0.5 kg/m²

If necessary, different aggregate may be used in order to fulfil the client's specific requirements. These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level and wastage etc.

All areas subject to potential movement should be fleece reinforced with Sika Reemat Premium. Please consult Sika for further information.

Waiting Time / Overcoating

Before applying Sikafloor® -161 base layer on Sikafloor® -161 primer allow:

Substrate temperature	Minimum
+10°C	24 hours
+20°C	12 hours
+30°C	8 hours

Before applying Sikafloor® -264 top coat on Sikafloor® -161 base layer allow:

Substrate temperature	Minimum
+10°C	30 hours
+20°C	24 hours
+30°C	16 hours

Before applying Sikafloor® -359 top coat on Sikafloor® -161 base layer allow:

Substrate temperature	Minimum
+10°C	36 hours
+20°C	24 hours
+30°C	16 hours

Before applying Sikafloor® -18 Pronto top coat on Sikafloor® -161 base layer allow:

Substrate temperature	Minimum
+10°C	30 hours
+20°C	24 hours
+30°C	16 hours

Times are approximate and will be affected by changing ambient conditions particularly temperature and relative humidity.

SUBSTRATE QUALITY & PREPARATION

Refer to the Sika Information Manual Surface Evaluation & Preparation.

APPLICATION INSTRUCTIONS

Refer to the Information Manual Mixing and Application of Flooring Systems.

CLEANING OF TOOLS

Refer to the Sika Information Manual Mixing & Application of Flooring Systems.

NOTES ON APPLICATION / LIMITATIONS

Systems based on reactive acrylic resins exhibit a characteristic odour during application and prior to achieving full cure, once fully cured they are taint free. All unpackaged goods should be removed from the area of the works during application. Do not apply in the presence of foodstuffs. Any foodstuffs, whether packaged or not, should be completely isolated from the flooring works during the application process and until the products are fully cured.

VALUE BASE

All technical data stated in this System Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this System may vary from country to country. Please consult the local System Data Sheet for the exact description of the application fields.

HEALTH AND SAFETY INFORMATION

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

LEGAL NOTES

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 accordance with Sika's recommendations. 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 user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.



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