Product Data Sheet

Sikafloor®-2530 W

Water Dispersed, Coloured Floor Sealer

Description	Sikafloor-2530 W is a high-performance coloured, two-component dispersion based on epoxy resin.
Uses	For the production of coloured priming and sealing coats for light and medium exposure. On concrete, cement screed, epoxy mortar fibre cement boards, e.g. in production and storage halls, show rooms, garages, wet rooms, civil defense facilities. As deicing salt protection on tunnel walls and galeries not exposed to weathering.
Advantages	- Easy application - Good bond, also on mat moist substrates - Good chemical and mechanical resistance - Visible end of pot-life - Fast curing - Good hiding properties - Water vapour permeable - Excellent carbonation barrier - Resistant to water and mechanical cleaning - Odourless and fungus resistant - Solvent free - Thixotropic, therefore also applicable to vertical surfaces
Colour shades	Standard colour: RAL 7032 Available in various colour shades as per our Sikafloor shade card (minimum quantities required for special shades).
Packaging	18 kg 6 kg
Shelf life	In original sealed containers, protected against frost: min. 12 months.
Test reports	- LPM, Labor für Präparation und Methodik, Beinwil am See - Tunnel approval EMPA, report No. 162063 - ISEGA D- Aschaffenburg, suitability for contact with food stuff, report No. 10188 U96 - Research Center Jülich, D-Jülich, Decontamination accd. DIN 25415

Product Data

Coating system

Concrete substrate	Normal exposure	Heavier exposure
Normal absorbent	1x Sikafloor-2530 W* 1-2x Sikafloor-2530 W	1x Sikafloor-156 2x Sikafloor-2530 W
Non-absorbent	1x Sikafloor-2420 1-2x Sikafloor-2530 W	1x Sikafloor-2420 2x Sikafloor-2530 W
Strongly absorbent	1x Sikafloor-156 1-2x Sikafloor-2530 W	1x Sikafloor-156 2x Sikafloor-2530 W

* Thinned up to 20% with water
usable layer thickness 0.1 - 0.3 mm depending on number of coats

Material consumption Sikafloor-2530 W: 0,2 - 0,3 kg/m²

Sikafloor-156: 0,3 - 0,4 kg/m²
Sikafloor-2420: 0,1 - 0,2 kg/m²

Mix ratio

Sikafloor-2530 W	A	B
Parts by weight	2.4	1
Parts by volume	2	1

Technical Data

Density (DIN 53217) Comp. A+B (wet): 1.20 kg/l

Solid content (DIN 53216) ~ 46% by volume

Abrasion (DIN 53754) 65 mg (14 days at +23°C)

Index of resistance to diffusion of water vapour (μH_2O) ~ 30'000

Index of resistance to diffusion of carbon dioxide (μCO_2) ~ 1'000'000

Chemical resistance Resistant e.g. to sodium chloride solution, ammonium sulphate 10%, calcium chloride 10%, ammonia 5%, sodium hydroxide 50%, glycerin, petrol, diesel, fuel oil, lubricants, desinfectants, fruit juice, water and others.

Thermal resistance Dry heat up to +100°C and damp heat up to +80°C temporary exposure (steam cleaning etc.).

Application

Substrate condition The substrate must be of sufficient strength (min. compressive strength 30N/mm²). The surface should be even, fine gripping, dense, dry and free from loose particles. Friable particles must be removed. Pull-off strength not less than 1,5 N/mm².

Surface preparation Unstable layers and contaminations, e.g. oils, grease, rubber abrasion etc. must be removed mechanically e.g by scabbling or dust-free vacuum blastcleaning.

Mixing Prior to mixing stir component A well. Mix component A+B intensively in the recommended mixing ratio by means of an electric stirrer (approx. 300-400 rpm).

Application method In order to achieve a uniform wetting of the substrate, apply material by means of brush, distemper brush or roller.
During application and curing adequate ventilation must be provided (especially at temperatures < +13°C), in order to prevent curing- and drying malfunctions.

Limitations

- At least two coats, depending on intended use.
- Substrate temperature: min. +10°C
  max. +30°C
- Max. relative humidity: 80%
- Max. layer thickness (wct): 0.2 mm (~ 0.25 kg/m²)
- Max. degree of thinning with water 20% (primer only).

Pot life

	+10°C	+20°C	+30°C
Sikafloor-2530 W	2 - 2,5 h	1,5 -2 h	0,5 - 1 h
Sikafloor-156	60 min.	30 min.	15 min.
Sikafloor-2420	~ 10 h	~ 8 h	~ 4 h

Waiting time between coats

		+10°C	+20°C	+30°C
Sikafloor-156	min.	1 day	12 hrs	8 hrs
	max.	3 days	2 days	2 days
Sikafloor-2530 W	min.	15 hrs	6 hrs	4 hrs
	max.	3 days	2 days	2 days
Sikafloor-2420	min.	24 hrs	12 hrs	10 hrs
	max.	3 days	2 days	2 days

In case of a r.h. of 80% the waiting time between Sikafloor-2530 W is increased by 24 hours.

Final curing

Sikafloor-2530 W	+10°C	+20°C	+30°C
Ready for foot traffic	2 days	1 day	1 day
Light exposure	5 days	3 days	2 days
Fully serviceable	10 days	7 days	5 days

Overworkability

After thorough cleaning and grinding Sikafloor-2530 W can be overworked with the same material.

Cleaning of implements

Clean application tools after use with soap water in order to remove remnants of resin and rinse again with clean water.

Safety instructions

The product does not fall under the dangerous goods regulations.
Observe safety advice printed on label as well as local regulations.
In a liquid state the product contaminates water and should not get into drains, water and soils.
in any case remnants of cleaning water and material must be removed according to local regulations.
During application in closed rooms, pits and shafts etc. sufficient ventilation must be provided.

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