

PRODUCT DATA SHEET

Sikalastic®-220 W

Resin based liquid applied waterproofing membrane

DESCRIPTION

Sikalastic®-220 W is a ready to apply, one part, water based resin, liquid applied membrane for wet rooms. Provides a fully bonded waterproof finish ready for the application of tiles. Thickness ≥ 0.5 mm. Internal use.

USES

- Waterproofing shower rooms
- Waterproofing bathrooms
- Walls and normal – high loaded floors in the above rooms

CHARACTERISTICS / ADVANTAGES

- Seamless
- Part of a full system including Sika® SealTapes, primers and tile adhesives.
- One part ready to apply
- Water based
- Fast drying
- Waterproof
- Crack bridging
- Ideal for both trowel and roller application
- Applied on different substrates: concrete, cement plaster, gypsum board, gypsum plaster, gypsum bricks, dry screeds, old ceramic finishes.
- Conforms to ETAG 022:1

ENVIRONMENTAL INFORMATION

- VOC emission classification GEV-Emicode EC1, license number 7658/24.02.97

APPROVALS / STANDARDS

- CE Marking and Declaration of Performance to ETAG 022 Part 1 - Watertight covering kit for wet room floors and walls based on liquid applied coverings

PRODUCT INFORMATION

Chemical Base	Synthetic water based resin dispersion
Packaging	16 kg containers
Shelf Life	12 months from date of production.
Storage Conditions	Product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5 °C and +35 °C. Always refer to packaging.
Colour	Blue-grey
Density	~1.6 g/cm ³

TECHNICAL INFORMATION

Dry film thickness	≥ 0.5 mm thickness		
Crack Bridging Ability	Sikalastic®-220 W layer thickness	Category	(EN 1062-7 C.2)
	0.5 mm	Cat 2 (0.75 mm)	
	Test performed at 23 °C		
Water Tightness	Watertight (pressure 1.5 bar)		(EN 14891 A.7)
Permeability to Water Vapour	sd = 18 m		(EN 12 572)
Chemical Resistance	Resistance to alkalinity Cat: 2		(EN 14891 A 6.9)
Reaction to Fire	Class E		(En 13501)

SYSTEM INFORMATION

System Structure	Substrate	Primer
	Calcium sulfate substrates (gypsum plasterboards, gypsum fiberboards, gypsum bricks, gypsum plasters, calcium sulfate screeds...)	Sika® Primer-11 W+
	Non absorbent substrates (ceramic...)	Sika® Primer-21 W
	Sika® SealTape F	

APPLICATION INFORMATION

Consumption	~1.35 kg/m ² for two layer application
Layer Thickness	<ul style="list-style-type: none">Wet film thickness for each layer application - minimum 0.45 mmDry film thickness for full coating application - minimum 0.5 mm
Ambient Air Temperature	min. +5 °C, max. +35 °C
Substrate Temperature	min. +5 °C, max. +35 °C
Substrate Moisture Content	Refer to the individual primer Product Data Sheet. Cement screeds are required to be at least 28 days old and to have a residual moisture ≤ 2.0 CM-%, calcium sulphate screeds should have a residual moisture ≤ 0.5 CM-%
Waiting Time / Overcoating	Before applying first and second coat allow : ~3 hours on walls ~5 hours on floors Times are approximate and will be affected by changing ambient and substrate conditions particularly temperature and relative humidity.

BASIS OF PRODUCT DATA

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

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

LIMITATIONS

Not suitable for external waterproofing ie balconies or terraces.

ECOLOGY HEALTH AND SAFETY

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY

The substrate must be sound, clean, dry and free of all contaminants such as dust, dirt, oil, grease, cement laitance, previous coatings and other surface treatments that could cause poor adhesion.

SUBSTRATE PREPARATION

Cementitious substrates shall be prepared mechanically using suitable equipment such as abrasive blast cleaning / planing / scarifying / grinding to remove cement laitance and achieve an open textured surface profile suitable for the product thickness. Surface treatments or any "friable" areas of the substrate must be mechanically removed and the substrate repaired with Sika levelling compounds. All dust, loose and friable material must be completely removed from all surfaces before application of the product, preferably by vacuum cleaning equipment.

MIXING

- 1-part ready to use.
- Can be used directly without stirring.

CLEANING OF TOOLS

Clean all tools and application equipment after use with water. Hardened and/or cured material can only be removed mechanically.

LOCAL RESTRICTIONS

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

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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