

BUILDING PRODUCT INFORMATION 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

FEATURES

- Seamless
- Part of a full system including Sika® SealTapes, primers and tile adhesives.
- One part ready to apply
- Water based
- Fast drying
- Waterproof

PRODUCT INFORMATION

Product identifier	Sikalastic®-220 W
Place of manufacture	Overseas
Composition	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

- 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

LIMITATIONS OF USE

This product is a waterproofing membrane system for use behind impervious wall finishes and under trafficable floor finishes in internal wet areas, such as showers and bathrooms. Any surface finishes installed over this system must be compatible. If in doubt refer to Sika on 0800SIKANZ or go to the website nzl.sika.com

SUSTAINABILITY

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

APPROVALS / CERTIFICATES

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

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		
Watertightness	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 plaster-boards, 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 to 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.
Drying time	Between first and second coat: <ul style="list-style-type: none">~3 hours on walls~5 hours on floors

MANUFACTURER AND IMPORTER INFORMATION

Manufacturer information	Address	Sika Deutschland GmbH Kornwestheimer Strasse 103-107, 70439 Stuttgart, Germany
Importer information	Address	Sika (NZ) Limited 85-91 Patiki Road

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New Zealand

Phone number

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Website

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NZBN

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BUILDING CODE INFORMATION

Building Code clauses

B2 Durability: Performance clause B2.3.1 - (b) 15 years

E3 Internal Moisture: Performance Clauses E3.3.3, E3.3.4, E3.3.5, E3.3.6

F2 Hazardous Building Materials: Performance clause F2.3.1

Building Code compliance statements

Performance B2.3.1 (b) 15 years: The BRANZ appraisal for this product states that, in their opinion, it achieves this durability requirement, when installed and maintained in accordance with the BRANZ Appraisal and relevant Sika technical literature. nzl.sika.com. According to Sika's "Service Improvement" records, maintained within its ISO9001:2015 Quality Management System, this product has performed successfully since it was introduced in 2018.

Performance E3.3.3, E3.3.4, E3.3.5, E3.3.6: This product has been BRANZ appraised. It meets the NZ Building Code E3 Internal Moisture requirements when designed and installed in accordance with the requirements of E3/AS1, E3/AS2-Internal Wet Area Membrane Systems (WMA Code of Practice for Internal Wet Membrane Systems (2020)), the appropriate BRANZ Appraisal (Sikalastic 152, Sikalastic 220W, Sika AquaBlok) and relevant Sika technical literature (Code of Practice, BRANZ appraisals and Sika literature available at nzl.sika.com)

Performance F2.3.1. The BRANZ Appraisal for this product nzl.sika.com states that, in their opinion, it meets this requirement and does not present a health hazard to people. Refer to the product safety data sheet nzl.sika.com for further information if required

BASIS OF PRODUCT DATA

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

IMPORTANT CONSIDERATIONS

Not suitable for external waterproofing ie balconies or terraces.

ECOLOGY, HEALTH AND SAFETY

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.

APPLICATION INSTRUCTIONS

INSTALLATION REQUIREMENTS

For compliance with Clause E3/AS2 the membrane system must be installed by, or under the supervision of, an installer certified by Sika and in accordance with the Waterproofing Membrane Association Code of Practice for Internal Wet Area Membranes - Feb 2020, and the relevant Sika technical literature (available at nzl.sika.com)

DESIGN REQUIREMENTS

This product is part of a system that includes primers, reinforcing tapes and other associated products. For full design information refer to the BRANZ Appraisal and the relevant Sika product data sheets for further support

The substrate that the membrane will be applied to must be in accordance with the NZBC to a relevant standard, such as NZS3101 for concrete, NZS 4230 or NZS 4229 for concrete masonry and NZS 3604 for timber framed Buildings.

In accordance with E3/AS1 and E3/AS2 membrane systems must be specified by the tile manufacturer (supplier) as being suitable for the tiles and the environment. And the system must be designed in accordance with the Waterproofing Membrane Association Code of Practice for Internal Wet Area Membranes - Feb 2020 and relevant Sika technical literature available at nzl.sika.com

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 leveling 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 EQUIPMENT

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

MAINTENANCE REQUIREMENTS

No maintenance of the Sika membrane system will be required, provided that significant substrate movement does not occur within the impervious wall / floor lining or finish that has been applied over the top. Regular checks of the wall / floor finish must be made to ensure that it is sound and will not allow moisture to penetrate it. Any cracks or damage must be repaired immediately, in consultation with the supplier of the lining system

For maintenance of impervious wall and floor lining systems that have been installed to enable compliance with Clause E3/AS1, refer to the supplier of the system installed

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

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.

The building product/building product line is not subject to warning or ban under section 26 of the Building Act 2004.

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NZ BUILDING PRODUCT INFORMATION SHEET

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