

SYSTEM DATA SHEET

Sikalastic® OneShot PB-55

POLYUREA-HYBRID WATERPROOFING DECK MEMBRANE SYSTEM

DESCRIPTION

Sikalastic® OneShot PB-55 is a 3-part polyurea-hybrid resin based sprayed membrane system that provides a crack bridging, fast cure, hard wearing, seamless finish for covered car parking decks. The surface produces a slip resistant, low maintenance coloured matt finish. Thickness ~4,0 mm.

USES

Sikalastic® OneShot PB-55 may only be used by experienced professionals.

- Covered car park intermediate concrete suspended decks and basement ground slabs.

CHARACTERISTICS / ADVANTAGES

- Seamless
- High wear resistance
- Good chemical and mechanical resistance
- Waterproof
- Rapid spray applied application
- Skid/slip resistant
- Low maintenance
- Unique one shot embedded aggregate injection system provides a sprayed surface texture

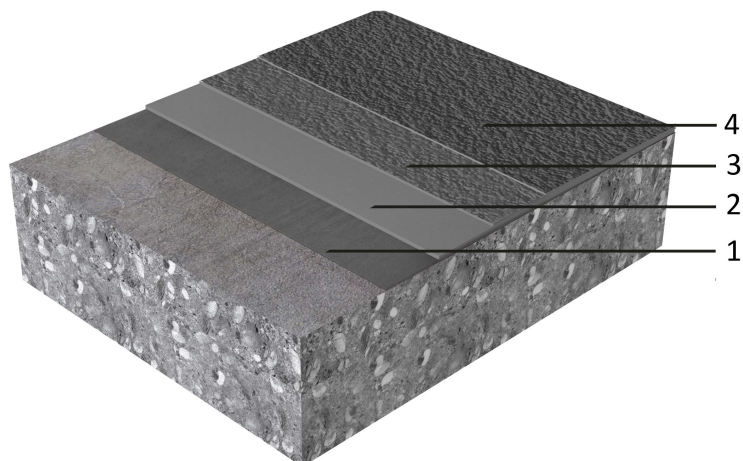
APPROVALS / CERTIFICATES

- Dynamic and static crack bridging properties. DIN EN 1062-7. Kiwa Polymer Institut GmbH. Report No.P 9016-2-E. 2014-09-30
- Reaction to fire classification. DIN EN 13501-1. Prüfinstitut Hoch. Report No.KB-Hoch-151273. Validity 30-09-2020
- Initiat testing of the coating system test category OS 11 (OS F) / system a. DIN V 18026. Kiwa GmbH, Polymer Institut. Report No.P 9277-E. 2015-06-30

SYSTEMS

System Structure

Sikalastic® OneShot PB-55



Layer	Product
1. Primer + Sand broadcast	Sikafloor®-156/161 or Sikadur®-188 Normal/ Rapid, quartz sand 0,4–0,8mm
2. Waterproofing membrane	Sikalastic®-851
3. Wearing finish	Sikalastic®-851, injection of sprayed aggregate, i.e. corundum, silicon carbide, quartz sand
4. Seal /Top coat	Sikafloor®-378

Chemical base	Primer:	Epoxy resin
	Membrane and wearing finish	Polyurea-Hybrid
	Seal / Top coat	Epoxy resin

Appearance	Skid / Slip resistant, matt finish
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Colour	Seal / Top coat available in many colours
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Nominal Thickness	~4,1 mm
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TECHNICAL INFORMATION

Shore A Hardness	~81 (7days/+23 °C)	(EN ISO 868)
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Abrasion Resistance	~1300 mg (H22/1000/1000)	(ISO EN 5470-1/ Taber Abraser ASTM D 4060)
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Resistance to Impact	Class 1	(EN ISO 6272-2)
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Tensile Adhesion Strength	> 1,5 N/mm ²	(EN 1542)
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Crack Bridging Ability	Dynamic crack bridging: Class B4,2	(EN 1062-7)
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Chemical Resistance	Water tight after 3 days exposure Chemical resistant to de-icing salts, hydrocarbons and hydraulic oils	(EN 13529)
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Permeability to Water Vapour	Class 1	(EN ISO 7783:2012-02)
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Capillary Absorption	< 0,1 kg/(m ² × h ^{0,5})	(EN 1062-3:04-2008)
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Permeability to Carbon Dioxide	Sd > 50 m	(EN 1062-6:2002-10)
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Skid / Slip Resistance	59	(Skid-Resistance Tester according BS 812, C-Scale, length 126 mm, Slider 57)
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APPLICATION INFORMATION

Consumption	Layer	Product	Consumption
	1. Primer + Sand broadcast	Sikafloor®-156/161 or Sikadur®-188 Normal/Rapid, quartz sand 0,4–0,8mm	~0,4 kg/m ² ~1,0 kg/m ²
	2. Waterproofing Membrane	Sikalastic®-851	~1,5 kg/m ²
	3. Wearing finish	Sikalastic®-851 aggregate (corundum, silicon carbide)	~1,0 kg/m ² ~2,0 kg/m ²
	4. Seal / Top Coat	Sikafloor®-378	~0,7 kg/m ²

PRODUCT INFORMATION

Packaging	Refer to related Product Data Sheets
Shelf life	Refer to related Product Data Sheets
Storage conditions	Refer to related Product Data Sheets

MAINTENANCE

To maintain the appearance of the floor after application, Sikalastic® OneShot PB-55 must have all spillages removed immediately and must be regularly cleaned using rotary brush, mechanical scrubbers, scrubber dryer, high pressure washer, wash and vacuum techniques etc. using suitable detergents and waxes.

CLEANING

Refer to the Sika Method Statement "Sikafloor®-Cleaning Regime"

FURTHER DOCUMENTS

- Sika Method Statement: "Evaluation and preparation of surfaces for flooring systems"
- Sika Method Statement: "Mixing & Application of flooring systems"
- Sika Method Statement: "Injection of aggregates in the spray pattern of Sikalastic®-851"

IMPORTANT CONSIDERATIONS

- Freshly applied Sikalastic® OneShot PB-55 must be protected from damp, sweat, condensation and water for at least 2 hours
- The incorrect assessment and treatment of cracks may lead to a reduced service life time and reflective cracking
- For exact colour matching, ensure Sikafloor®-378 is applied from the same control batch number
- If heating is required do not use gas, oil, paraffin or other fossil fuel heaters, these produce large quantities of both CO₂ and H₂O water vapour, which may adversely affect the finish. For heating use only electric powered warm air blower systems.
- Always ensure adequate fresh air ventilation during application and curing
- Do not use on uncovered decks owing to possible colour fading of seal coat. Use Sikalastic® OneShot PB-

55 UV.

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.

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.

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.

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.

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System Data Sheet
Sikalastic® OneShot PB-55
July 2018, Version 01.01
02081290000000054

SikalasticOneShotPB-55-en-GR-(07-2018)-1-1.pdf

