

### Technical Data Sheet StoPur BA 2000

PUR spray-on waterproofing

U	JE+8°C	€+30°C



Characteristics	
Area of application	<ul> <li>as a waterproofing layer under bituminous protection layers for surfaces on concrete substrates which are subject to foot and vehicle traffic</li> </ul>
Properties	<ul> <li>permanently elastic</li> <li>crack-bridging</li> <li>very good bond to the primer and subsequent protection layer</li> <li>very high degree of heat resistance</li> <li>high reactivity</li> </ul>
Information/notes	<ul> <li>not suitable for manual application</li> <li>tested in accordance with TL/TP-BEL-B3</li> </ul>

#### Technical data

	Criterion	Standard / test	Value/Unit	Notes
		specification	value/ Offic	
	Shore hardness type A	EN ISO 868	75	
	Tear resistance	DIN 53504	6.5 MPa	
	Elongation at break	DIN 53504	600 %	
	Density (mixture 23 °C)	EN ISO 2811	0.92 - 0.98 g/cm <sup>3</sup>	
	The characteristic values stated are average values or approximate values. Due to the natural raw materials in our products, the stated values can vary slightly in the same delivery batch; this does not affect the suitability of the product for its intended use.			
Substrate				
Requirements	Requirements on the substrate: The substrate must be dry, load-bearing, and free from native and foreign rel agents. Remove weak layers and laitance.		l foreign release	
	Dry in accordance with the definition in ZTV-ING (German directive), but depending on the compressive strength class. The moisture content may not exceed 4 CM per cent for concrete qualities up to C30/37 and max. 3 CM per cent for C35/45 concrete, measured with a calcium carbide meter.			



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	Average bond strength: 1.5 N/mm <sup>2</sup> Bond strength, lowest single value: 1.0 N/mm <sup>2</sup>		
Preparations	Substrate preparation: Prepare the substrate using a suitable mechanical process such as shot-blasting, milling and then shot-blasting, or abrasive blasting.		
Application			
Application temperature	Lowest application temperature: +8 °C Highest application temperature: +30 °C		
Consumption	Type of application	Approx. consumption	
	as waterproofing	2.0	kg/m²
	Material consumption depends on the application, substrate, and consistency, among other factors. The stated consumption values are only to be used as a guide. If required, determine precise consumption values on the basis of the specific project.		
Coating build-up	Liquid plastic waterproofing on the concrete carriageway deck under a mastic asphalt protection layer (in accordance with ZTV-ING part 7 section 3) 1) Substrate preparation 2) Prime coating of StoPox BV 100 3) Scratch coat 4) Bonding agent StoPur VS 70 5) Waterproofing layer of StoPur BA 2000 6) Tack coat of StoPur VBS 2000 7) Mastic asphalt protection layer		
Application	<ul> <li>Observe the instructions for implementation. Liquid plastic waterproofing on the concrete of asphalt protection layer (in accordance with Z</li> <li>1) Substrate preparation</li> <li>2) Prime coating of StoPox BV 100</li> <li>Flood apply the mixed material to the substrate squeegee. Leave to react for 5 minutes. Rew Consumption of StoPox BV 100: 0.3 - 0.5 kg/</li> <li>Scatter StoQuarz 0.3 - 0.8 mm evenly, grain In Consumption of StoQuarz 0.3 - 0.8 mm: appr</li> </ul>	carriageway deck unde 2TV-ING part 7 section ork the surface evenly 2 by grain, over the frest rox. 1 kg/m <sup>2</sup>	er a mastic a 3) a foam rubber with a roller. n prime coating.
	After curing, remove loose quartz sand by sw	eeping or suction clea	ning.



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3) Prime coating and scratch coat of StoPox BV 100 with Sto Zuschlag KS Flood apply the mixed StoPox BV 100 to the substrate and spread it using a rubber squeegee. Leave to react for 5 minutes. Rework the surface evenly with a roller.

Consumption of StoPox BV 100: approx. 0.3 - 0.5 kg/m<sup>2</sup>

Mix StoPox BV 100 and then mix again with approx. 3 parts by weight of Sto Zuschlag KS. Roughly spread the mixture over the freshly primed area and trowel off evenly to the required layer thickness using a serrated installation tool. Consumption of StoPox BV 100: approx. 0.5 kg/m<sup>2</sup> per mm layer thickness Consumption of Sto Zuschlag KS: approx. 1.5 kg/m<sup>2</sup> per mm layer thickness

Evenly scatter an abundant amount of StoQuarz 0.3 - 0.8 mm onto the fresh scratch coat. Avoid bald spots - if necessary, apply more scatter to the gaps until the scratch coat starts to gel. Consumption of StoQuarz 0.3 - 0.8 mm: approx. 6 kg/m<sup>2</sup>

After curing, remove loose quartz sand by sweeping or suction cleaning.

4) Bonding agent StoPur VS 70

Spray a thin layer of StoPur VS 70 at the earliest 1 day after applying the prime coating/scratch coat of StoPox BV 100, at +20 °C average substrate temperature. Avoid the formation of puddles. If necessary, roll afterwards with a dry lambswool roller.

Consumption of StoPur VS 70: max. 0.1 kg/m<sup>2</sup>

5) Waterproofing layer StoPur BA 2000 For StoPur VS 70 the minimum waiting time before applying the first layer of StoPur BA 2000 thick coat is 5 hours (at +20 °C average substrate temperature and > 40 % relative humidity). The max. waiting time is 12 hours.

Consumption of StoPur BA 2000: approx. 2.0 kg/m<sup>2</sup> plus the roughness depth

StoPur BA 2000 can only be applied using 2-component spray equipment.

Spray equipment: Unipre G 31, Unipre GC 52 Settings (spray equipment): heat up to +50 °C Mixing ratio in parts by weight component A : component B = 100.0 : 79.0 Mixing ratio in parts by volume component A : component B = 100.0 : 74.0 Viscosity of component A = 1300 mPa Viscosity of component B = 2400 mPa Density of component A = 1.03 g /cm<sup>3</sup> Density of component B = 1.10 g/cm<sup>3</sup>

6) Tack coat of StoPur VBS 2000 Apply the StoPur VBS 2000 tack coat at the earliest 2 hours after spraying the StoPur BA 2000 waterproofing layer and at 20 °C average substrate temperature.



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	Apply by airless spray-gu using a short-pile roller. If applying StoPur VBS 2 Consumption of StoPur \	in; over small areas StoPur V 000 by roller, do so quickly ar /BS 2000: approx. 0.15 kg/m²	BS 2000 can also be applied nd evenly.	
	7) Mastic asphalt protect After a waiting time of at protection layer to the St earliest 2 days after apply	on layer least 24 hours at +20 °C, app oPur VBS 2000 tack coat; how ying the StoPur BA 2000 wate	ly the mastic asphalt vever this must be at the erproofing.	
	Note: Moisture and soiling betw Therefore take suitable p	veen the individual stages car reventative measures.	disturb the adhesive bond.	
	At low temperatures, a delayed reaction, longer flash-off times, and a change in material consistency should generally be expected.			
	Application temperature instructions +50 °C.	2-component equipment) acc	ording to implementation	
Cleaning the tools	Clean with StoDivers EV	100 immediately after use.		
Notes, recommendations, special information, miscellaneous	General application instructions are available at www.stocretec.de and in the notes of the latest Technical Manual. Delivery time 10 - 12 days from the Donaueschingen factory			
Delivery				
Colour shade	arev			
	9.09			
	Article number	Name	Container	
	14100/001	StoPur BA 2000 Set	358 ka set	
Storage			5	
Storage conditions	Store in dry and frost-free conditions. Avoid direct sunlight.			
Storage life	In the original container until (see packaging).			
Certificates/approvals				
	StoPur BA 2000	Implementation Instructions Implementation Instructions		
Identification				

Product group

Waterproofing



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and disposal.

This product is subject to compulsory labelling in accordance with the current EU regulation. You will receive an EU Safety Data Sheet with your first order. Please observe the information regarding the handling of the product, its storage,

#### Special notes

The information in this Technical Data Sheet serves to ensure the product's intended use, or its suitability for use, and is based on our findings and experience. Users are nevertheless responsible for establishing the product's suitability and use. Applications not specifically mentioned in this Technical Data Sheet are permissible only after prior consultation. Where no approval is given, such applications are at the user's own risk. This applies in particular when the product is used in combination with other products.

When a new Technical Data Sheet is published, all previous Technical Data Sheets are no longer valid. The latest version is available on the Internet.

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