

## Elasticized Waterproofing Slurry

- two component product
- efflorescence-free surface waterproofer with elastic properties
- suitable for areas of potential cracking
- for concrete, masonry and render

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**Product Description** VANDEX BB 75 E is a cementitious, two-component, polymer-modified-efflorescence-free surface waterproofer with hydrophobic properties, resistant to water and moisture, made of VANDEX BB 75 as a dry component and VANDEX ELA-STICIZER PK 75.

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**Areas of Application** VANDEX BB 75 E is applied to surfaces such as concrete, masonry and render, which have to be sealed and protected against the influence of water and moisture. Owing to its elastic properties it is used in zones posing cracking or deforming problems. There may be local restrictions against its use in potable water reservoirs.

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**Properties** Owing to its composition of cement, quartz with graded grain-size distribution and special chemical ingredients, as well as the admixture of the elasticizing component, a waterproof (tested up to 7.0 bar) and elastic coating is achieved. VANDEX BB 75 E is suitable for potential cracking. There is a good compatibility with VANDEX BB 75. The initial and final bonding ability of VANDEX BB 75 E is excellent, making it suitable to be applied on horizontal as well as vertical surfaces. It is durable, resistant to frost and heat after setting and at the same time vapour permeable. VANDEX BB 75 E is an active barrier to carbon dioxide (CO<sub>2</sub>). VANDEX BB 75 E is not a decorative material.

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**Surface Preparation** The substrate to be sealed must be sound and even, and its surface free from voids, large cracks or ridges. Bitumen, oil, grease or remains of paint have to be removed by suitable means. Laitance and unsound concrete have to be removed by bush hammering or sand blasting. The substrate should be prewatered and slightly damp at the time of application.

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**Mixing** Place 25 kg of VANDEX BB 75 (dry component) in a clean container, add 10 kg of VANDEX ELASTICIZER PK 75 and stir for at least 3 minutes with a mechanical mixer.

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**Application** VANDEX BB 75 E may be applied with trowel or spray equipment. Do not apply at temperatures below +5° C, or to a frozen substrate. A maximum of 4 kg/m<sup>2</sup> can be laid on in one application. Provide suitable protection against extreme weather conditions while setting.

## Consumption

Water sealing problem	Minimum thickness of layer	Approx. minimum amount of sealing slurry to be applied
1. Ground moisture	2 mm	4 kg/m <sup>2</sup>
2. Pressure surface water and seepage	2 mm	4 kg/m <sup>2</sup>
3. Water under pressure	2.5 mm	5 kg/m <sup>2</sup>
<b>Max. thickness of layer is 4 mm</b>		

## Packaging

VANDEX BB 75 (dry component): 25 kg PE-lined paper bags.  
VANDEX ELASTICIZER PK 75: 10 kg PE-container.

## Storage

**Dry component:** Store in a dry place. Shelf life, if kept in unopened, original packagings, is 12 months.

**Liquid component:** Store in a frost-free place. Shelf life in unopened, original packagings is 6 months.

## Technical Data

	<b>BB 75</b> (dry component)	<b>ELASTICIZER PK 75</b>
Aggregate state	powder	liquid
Colour	grey	milky - white
Bulk density	approx. 1,4 kg/l	
Density 20 °C		approx. 1,08 kg/l
pH - value		6 - 7
	<b>BB 75 E</b> (wet mix)	<b>BB 75 E</b> (hardened)
Colour	grey	grey
Density of wet mix	approx. 1,7 kg/l	
Setting time	approx 3 - 4 h	
Adhesive strength		1,3 N/mm <sup>2</sup>
Elongation at rupture at 20 °C		20 %
Tear resistance at 20 °C		0,8 N/mm <sup>2</sup>
Crack bridging capacity 20 °C		
Crack width in the concrete:		
- with discoloration of the coating		0,5 mm
- upon crack formation in the coating		≥ 1 mm
All data are averages of several tests under laboratory conditions. In practice, climatic variations such as temperature, humidity, and porosity of substrate may affect these values.		

## Health and Safety

VANDEX BB 75 E contains cement.

Irritating to eyes and skin. May causes sensitization by skin contact. Keep out of reach of children. Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable gloves. Provide good ventilation if inside.

For further information please refer to Material Safety Data Sheet of VANDEX BB 75 and VANDEX ELASTICIZER PK 75.

The information contained herein is based on our longterm experience and the best of our knowledge. We can, however, make no guarantee since for a successful outcome, all circumstances in an individual case must be taken into consideration. Indications of quantities required are only averages which in certain cases might be greater.



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