

One-component, polymer modified thick bitumen coating, filled with polystyrene foam

- 1 component
- flexible and crack-bridging
- high resistance to ageing
- also easily applicable to damp substrates
- solvent free

PRODUCT DESCRIPTION

VANDEX FLEXBIT 1K P is a one-component, ready-to use, solvent-free thick bitumen coating, filled with polystyrene foam and based on a polymer modified bitumen emulsion.

AREAS OF APPLICATION

The paste-like, thixotropic VANDEX FLEXBIT 1K P provides waterproofing against ground moisture and non-accumulating seepage water as well as against accumulating seepage water under floor slabs and on walls and other below-ground structural elements (max. depth: 3.0 m below ground).

Furthermore, VANDEX FLEXBIT 1K P is used for the internal sealing of floor surfaces above and below ground against rising damp.

PROPERTIES

VANDEX FLEXBIT 1K P has a high resistance to aggressive ground water. It is not resistant against aromatic and aliphatic compounds, oil, grease, etc.

Tested according to EN 13501-1 the fire classification of VANDEX FLEXBIT 1K P is Class E.

Applied with the recommended thickness of approx. 4.5 l/m², the coating is crack-bridging.

SURFACE PREPARATION

The substrate to be treated must be clean, sound, and free from oil and grease. Remove any edges and ridges. Large pores and honeycombs must be filled with VANDEX BB 75 or VANDEX UNI MORTAR 1. Before application of VANDEX FLEXBIT 1K P, the substrate must be dry or slightly damp.

APPLICATION

VANDEX FLEXBIT 1K P is ready to use and can be applied by notched trowel or suitable spray equipment. The surrounding and substrate temperature must be min. +5 °C and max. +35 °C.

VANDEX FLEXBIT 1K P is applied in 2 coats. First apply a scratch coat to fill all pores and cavities, then a first coat of VANDEX FLEXBIT 1K P. Allow to become touch dry before applying the second coat.

The fresh coat must be protected from extreme sunlight and rain by suitable means.

CONSUMPTION

Type of application	No. of coats	Consumption of wet material	Min. dry coat thickness
Ground moisture	2 coats	approx. 4.5 l/m ²	3 mm
Pressureless surface water and seepage water	2 coats	approx. 4.5 l/m ²	3 mm
Accumulating seepage water	2 coats with mesh-reinforcement	approx. 5 l/m ²	4 mm

PACKAGING

28 l plastic bucket

STORAGE

When stored in unopened, undamaged original packaging at min. +5 °C, shelf life is approx. 9 months. Store and transport protected from frost.

CLEANING

Fresh VANDEX FLEXBIT 1K P can be removed with soap and water from equipment and hands. When dry, VANDEX FLEXBIT 1K P can be removed with common solvents.

HEALTH AND SAFETY

VANDEX FLEXBIT 1K P is not a dangerous substance. However, observe the usual safety measures when handling chemicals. Provide good ventilation if handling large quantities and in enclosed areas. Avoid contact with skin and eyes. Wear suitable face/eye protection and protective gloves. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. For further information please refer to Material Safety Data Sheet on www.vandex.com.

TECHNICAL DATA		
Appearance		brown paste
Colour after drying		black
Density	[kg/l]	0.75
Application temperature	[°C]	+5 up to +35 °C
Crack bridging capacity at +4 °C, 2 mm thickness of wet film	[mm]	2
Vapour diffusion coefficient	[μ]	5'000–30'000
Resistance to heat	[°C]	up to +70 → no movement
Resistance to cold	[°C]	0 → no cracks when bent
Water impermeability (DIN 52123)	[bar]	0.75
Rain resistance (DIN 52461)		resistant after 5 hours
Decrease of layer thickness by drying process after 28 days	[%]	approx. 10
All data is averaged from several tests under laboratory conditions. In practice, climatic variations such as temperature, humidity, and porosity of substrate may affect these values.		

The information contained herein is based on our long-term 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.

Vandex[®]

CONCRETE PROTECTION AND WATERPROOFING

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