

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

- fast drying
- flexible and crack-bridging
- suitable as an adhesive for insulating elements
- also easily applicable to damp substrates
- solvent free

PRODUCT DESCRIPTION

VANDEX FLEXBIT 2K P is a 2-component, fibre-reinforced, solvent-free thick bitumen coating, filled with polystyrene foam and based on a polymer modified thick bitumen emulsion.

AREAS OF APPLICATION

VANDEX FLEXBIT 2K P can be used as an adhesive for protective and thermal insulating panels. The paste-like, thixotropic VANDEX FLEXBIT 2K 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 2K P is used for the internal sealing of floor surfaces above and below ground against rising damp.

PROPERTIES

VANDEX FLEXBIT 2K P has 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 2K P is Class E.

Applied with the recommended thickness of approx. 4.5–5.5 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 2K P, the substrate must be dry or slightly damp.

MIXING

First stir briefly the bitumen emulsion in the container using a slow-rotating mechanical mixer. Then add the powder component and mix vigorously to a lump-free, homogeneous consistency. Mixing time is approx. 2–3 minutes.

APPLICATION

After mixing, VANDEX FLEXBIT 2K P is ready to use and can be applied by notched trowel. The surrounding and substrate temperature must be min. +5 °C and max. +35 °C.

VANDEX FLEXBIT 2K P is applied in 2 coats. First apply a scratch coat to fill all pores and cavities, then a first coat of

VANDEX FLEXBIT 2K 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	2 coats	approx. 4.5 l/m ²	3 mm
Accumulating seepage water	2 coats with mesh reinforcement	approx. 5.5 l/m ²	4 mm

PACKAGING

Combined plastic bucket containing 25 l emulsion and 5 kg powder component

STORAGE

When stored in unopened, undamaged original packaging at min. +5 °C, shelf life is approx. 9 months. Store and transport protected from frost. Avoid exposure to direct sunlight and strong heat.

CLEANING

Fresh VANDEX FLEXBIT 2K P can be removed with soap and water from equipment and hands. When dry, VANDEX FLEXBIT 2K P can be removed with common solvents.

HEALTH AND SAFETY

VANDEX FLEXBIT 2K P (emulsion) 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.

VANDEX FLEXBIT 2K P (powder) contains cement. Irritating to skin. Risk of serious damage to eyes. Keep out of reach of children. Do not breathe dust. 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 and eye/face protection.

For further information please refer to Material Safety Data Sheet on www.vandex.com.

TECHNICAL DATA		
Colour emulsion		brown
powder		grey
mixture after drying		black
Density (mixture)	[kg/l]	0.87
Application temperature	[°C]	+5 up to +35 °C
Application time, 20 °C	[min.]	approx. 60
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. 20
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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