

Thixotropic polymer modified bitumen compound

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

PRODUCT DESCRIPTION

VANDEX FLEXBIT 1K is a one component, ready-to-use, solvent-free thixotropic membrane, based on a polymer modified bitumen emulsion.

AREAS OF APPLICATION

The paste-like, VANDEX FLEXBIT 1K provides water-proofing 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.

Furthermore, VANDEX FLEXBIT 1K is used for the internal sealing of wet room floors under tiles and screed above and below ground against rising damp.

PROPERTIES

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

Applied with the recommended thickness of approx. 4–5.5 kg/m², the membrane is moderately crack-bridging.

SURFACE PREPARATION

The substrate to be treated must be clean, sound, and free from oil and grease. Remove any edges and protrusions. Large pores and cracks, cavities and honeycombs must be pre-filled with cementitious patching mortar, ideally with VANDEX BB 75 or VANDEX UNI MORTAR 1. Before application of VANDEX FLEXBIT 1K, the substrate must be dry or slightly damp.

APPLICATION

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

VANDEX FLEXBIT 1K is applied in two layers of 2–2.5 kg/m² each. Prior to the first layer, apply a scratch coat to fill open pores, followed by the first layer of VANDEX FLEXBIT 1K. Allow the material to become touch dry before applying the second layer.

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

CONSUMPTION

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

PACKAGING

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

HEALTH AND SAFETY

VANDEX FLEXBIT 1K 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		brown, after drying black
Density	[kg/l]	1.00
Application temperature	[°C]	above +5 °C
Crack bridging capacity at +4 °C, 2 mm thickness of dry 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 approx. 5 hours
Decrease of layer thickness by drying process after 28 days	[%]	approx. 25
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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