

Thixotropic epoxy resin adhesive

- two-component system
- adhesive for VANDEX FLEXTAPE E
- solvent-free
- excellent bond characteristics
- can be applied horizontally, vertically and also overhead

PRODUCT DESCRIPTION

VANDEX FLEXTAPE ADHESIVE is a solvent-free, mineral filled, two-component epoxy resin adhesive. It consists of VANDEX FLEXTAPE ADHESIVE RESIN and VANDEX FLEXTAPE ADHESIVE HARDENER.

AREAS OF APPLICATION

VANDEX FLEXTAPE ADHESIVE can be used as a general purpose adhesive, as well as for applying VANDEX FLEXTAPE E over construction and movement joints (even where movement is significant).

VANDEX FLEXTAPE ADHESIVE is chemically inert and stable, and can be used in various water containing situations – including foul sewage and waste water.

PROPERTIES

When fully cured, VANDEX FLEXTAPE ADHESIVE is a rigid adhesive. Its pasty consistency ensures good workability even to uneven and overhead surfaces.

SURFACE PREPARATION

The substrate must be sound and widely even, open-pored and its surface free of voids, large cracks or ridges. At the time of application, the substrate must not exceed 4% (content by weight) moisture. Any adhesion reducing substances like bitumen, oil, grease, remains of paint or laitance must be removed by suitable means.

MIXING

VANDEX FLEXTAPE ADHESIVE RESIN to VANDEX FLEXTAPE ADHESIVE HARDENER

= 3 parts (by weight) to 1 part (4.5 kg : 1.5 kg).

The components must be mixed individually before mixing together. VANDEX FLEXTAPE ADHESIVE RESIN (white) is then added to the VANDEX FLEXTAPE ADHESIVE RESIN (grey) and mixed carefully together with a mechanical mixer (max. 400 rev/min.).

The adhesive is ready for application when the mixture exhibits a uniform grey colour devoid of streaks.

APPLICATION

VANDEX FLEXTAPE ADHESIVE is applied manually by trowel or toothed comb to both contact surfaces of the substrate to be covered with VANDEX FLEXTAPE E (5 cm on either side of the crack or joint), pressing vigorously to ensure a good bond. Depending on roughness of the surface, layer thickness of VANDEX FLEXTAPE ADHESIVE is approx. 1–2 mm. – When the adhesive and VANDEX FLEXTAPE E are applied the latter must immediately be pressed into the

adhesive to ensure a good bond, and then coated with a further layer of VANDEX FLEXTAPE ADHESIVE on top.

CONSUMPTION

Tape width 200 mm: 0.8–1.1 kg per m of tape

Tape width 150 mm: 0.5–0.8 kg per m of tape

PACKAGING

Unit of 6 kg VANDEX FLEXTAPE ADHESIVE, consisting of
FLEXTAPE ADHESIVE RESIN = Comp. A = 4.5 kg
FLEXTAPE ADHESIVE HARDENER = Comp. B = 1.5 kg

STORAGE

When stored in a dry and frost-free place in unopened, undamaged original packaging, both components have a shelf life of 12 months.

CLEANING

In its cured state the VANDEX FLEXTAPE ADHESIVE adheres strongly to the substrate. For this reason it is important to clean all tools with a solvent before it hardens.

HEALTH AND SAFETY

VANDEX FLEXTAPE ADHESIVE RESIN is irritant and dangerous to the environment. Irritating to eyes and skin. May cause sensitisation by skin contact. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Avoid contact with skin. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable gloves. Dispose of this material and its container to hazardous or special waste collection point. Avoid release to the environment. Refer to special instructions/Safety data sheets.

VANDEX FLEXTAPE ADHESIVE HARDENER is corrosive. Harmful by inhalation and if swallowed. Causes burns. May cause sensitisation by skin contact. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of water and soap. Wear suitable protective clothing, gloves and eye/face protection. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

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

TECHNICAL DATA		
Properties of single components	FLEXTAPE ADHESIVE RESIN	FLEXTAPE ADHESIVE HARDENER
Consistency	thick paste	thick paste
Colour	grey	white
Density [kg/l]	approx. 1.6	approx. 1.4
Application properties	VANDEX FLEXTAPE ADHESIVE	
Consistency	thixotropic paste	
Colour	grey	
Density [kg/l]	approx. 1.55	
Pot life [min.]	15 (at +30 °C) 30 (at +20 °C) 60 (at +10 °C)	
Application temperature [°C]	from +5 to +30	
Final properties	VANDEX FLEXTAPE ADHESIVE	
Bonding strength to concrete [N/mm ²]	>3	
Bonding strength to steel [N/mm ²]	18–24	
Modulus of elasticity [N/mm ²]	8'500–7'000	
Compressive strength [N/mm ²]	60–70	
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.



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