

Thixotropic epoxy resin adhesive

- two-component system
- adhesive for VANDEX FLEXTAPE E
- solvent-free
- excellent mechanical properties
- can be applied on horizontal, vertical and overhead substrates
- can be applied on fresh concrete

Adhesion strength	passed	CE Vandex Isoliermittel-GmbH Industriestr. 19-23 DE-21493 Schwarzenbek 19 603/604 EN 1504-4:2004 Adhesive for construction purposes for glueing mortar or concrete
Shear strength	$\geq 6 \text{ N/mm}^2$	
Compressive strength	$\geq 30 \text{ N/mm}^2$	
Shrinkage/Expansion	$\leq 0.1 \%$	
Workability	≥ 40 minutes	
Sensitivity to water	passed	
Modulus of elasticity	$\geq 2000 \text{ N/mm}^2$	
Coefficient of thermal expansion	$\leq 100 \cdot 10^{-6} \text{ per } ^\circ\text{K}$	
Glass transition temperature	$\geq 40 \text{ }^\circ\text{C}$	
Reaction to fire	Bfl - s1	
Durability	passed	
Dangerous substances	NPD	

PRODUCT DESCRIPTION

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

AREAS OF APPLICATION

VANDEX FLEXTAPE ADHESIVE G 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) on mineral surfaces.

VANDEX FLEXTAPE ADHESIVE G is chemically inert and stable, and can be used in various water containing situations. For foul sewage and waste water contact zones, please contact your local Vandex representative for specific evaluation.

PROPERTIES

When fully cured, VANDEX FLEXTAPE ADHESIVE G 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. Any adhesion reducing substances like bitumen, oil, grease, remains of paint or laitance must be removed by suitable means.

MIXING

VANDEX FLEXTAPE ADHESIVE G RESIN to VANDEX FLEXTAPE ADHESIVE G 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 G HARDENER (white) is then added to the VANDEX FLEXTAPE ADHESIVE G 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 G 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 G 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 G 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 G, consisting of

FLEXTAPE ADHESIVE G RESIN = Comp. A = 4.5 kg +
FLEXTAPE ADHESIVE G 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.

HEALTH AND SAFETY

Please refer to Safety Data Sheet on www.vandex.com.

TECHNICAL DATA			
Properties of single components		FLEXTAPE ADHESIVE G RESIN	FLEXTAPE ADHESIVE G HARDENER
Consistency		thick paste	thick paste
Colour		grey	white
Density at 23 °C / 50% rel. hum.	[kg/l]	approx. 1.55	approx. 1.50
Application properties		VANDEX FLEXTAPE ADHESIVE G	
Consistency		thixotropic paste	
Colour		grey	
Density	[kg/l]	approx. 1.50	
Pot life (at 50% rel. hum.)	[min.]	approx. 20 (at +30 °C) approx. 40 (at +20 °C) approx. 90 (at +10 °C)	
Application temperature	[°C]	+5 up to +30	
Final properties		VANDEX FLEXTAPE ADHESIVE G	
Bonding strength to concrete	[N/mm²]	>3	
Bonding strength to steel	[N/mm²]	18-24	
Modulus of elasticity	[N/mm²]	4'000	
Compressive strength	[N/mm²]	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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