

ADINGPOKS 1T

Thixotropic two-component epoxy adhesive

FIELD OF APPLICATION

Adingpoks 1T is two component thixotropic epoxy adhesive with high mechanical resistance and adhesion. It is used for strong structural bonding in construction. Adingpoks 1T is adhesive for carbon strips used for repair and strengthening of reinforced concrete structures. It is used for reconstruction damages or segregations on concrete surfaces and for levelling and grouting. It also is adhesive for marble, granite, natural stone, concrete elements, metal, steel, aluminium, glass and other building materials.

PROPERTIES

- excellent adhesion to substrate;
- high compressive strength;
- high flexural strength;
- waterproof;
- resistant to diluted acids and bases;
- resistant to salty water;
- allows application and adhesion on horizontal, vertical and ceiling surfaces.

TECHNICAL FEATURES

PROPERTY	METHOD	DECLARED VALUE
Appearance (A+B)	-	Colored viscous liquid
Mixing ratio	-	A : B = 4,7 : 1
Pot-life at 20°C (A+B)	EN ISO 9514	30-50 min
Adhesion to a dry substrate	EN 1542	≥ 2 MPa
Adhesion to wet substrate		≥ 1 MPa
Compressive strength at 7 days	EN 12190	≥ 30 MPa
Flexural strength at 7 days		≥ 10 MPa
Dry (Hard dry) at T=(20-25°C)	-	22-24 h

SUBSTRATE PREPARATION

Apply Adingpoks 1T on dry and clean substrate, free of grease, dust, cement or other material residues. The substrate should be sound and stable, without labile parts. Metal surfaces must be clean and without corrosion. Concrete and cement mortar substrates should have at least 25MPa compressive strength. It is recommended to apply Adingpoks 1T 28 days after the concreting or after the setting and drying of the cement mortar substrates.

Before the application make sure that the substrate is dry and does not have moisture even from the air condensation. The substrate and air temperature for application of Adingpoks 1T should be over 8°C.

APPLICATION

To prepare Adingpoks 1T add the B component into the A component and mix until it homogenizes, using an electric mixer (300 to 500 rpm). Apply the material right after the preparation, in 30 to 50 minutes at temperature of 20- 25°C using trowel, trowel spatula or brush.

When using Adingpoks 1T as adhesive, it is recommended to apply up to 3mm thick layer. On vertical surfaces support the elements until Adingpoks 1T has completely bonded.

Granite, marble and other heavy elements on vertical surfaces are recommended to be mechanically fixed.

For reconstruction damages on concrete structures apply Adingpoks 1T in 30mm thick layers. The temperature for application should be between 8-30°C, the substrate temperature higher than 8°C and relative air humidity should be lower than 65%. Store the product before application between 10-30°C.

CONSUMPTION

for 1mm thick layer: 1.15 – 1.20 kg/m²

CLEANING

Clean tools and equipment right after use with Solvent-P.

PACKAGING

In set A + B: 4.85 kg
A component: 4.00 kg
B component: 0.85 kg

STORAGE

In original, closed packaging, in dry rooms, at temperature of 10-30°C. Shelf life: 9 months

CE

CE 2032	
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23 GIEA001/1 EN 1504-4:2004	
ADINGPOKS 1T Thixotropic two-component epoxy adhesive for building materials	
Bond/adhesion strength	pass
Shear strength	≥ 6 N/mm²
Compressive strength	≥ 30 N/mm²
Shrinkage/expansion	NPD
Workability	30-50 min on 20°C
Modulus of elasticity	≥ 2000 N/mm²
Coefficient of thermal expansion	NPD
Glass transition temperature	≥ 40°C
Reaction to fire	Class F

Health hazards: It is necessary to avoid contact of the product with the skin and eyes, as well as direct inhalation of the A and B component. In case of accidental contact, the product should be removed immediately with a dry cloth or one slightly moistened with Solvent P, and then the area should be washed well with clean water and soap. If the material splashes into the eyes, it is necessary to immediately rinse them with clean water and seek medical help. It is necessary to provide ventilation in the rooms where resins and solvents are handled. Additional information is provided in the Product Safety Data Sheet.

Fire: Adingpoks 1T and Solvent P should not be used near open flames or smoked during installation. Additional information is provided in the Product Safety Data Sheet.

Cleaning and disposal: Unbound residues of Adingpoks 1T are cleaned with Solvent P. Old used packaging needs to be disposed of according to local regulations for that type of waste. We recommend that the method of application and the necessary quantities be adapted to the conditions of the object, as well as the mandatory use of adequate equipment. Additional information is provided in the Product Safety Data Sheet.