

# ADINGPOKS 1T

*Thixotropic two-component epoxy adhesive for building materials*

## FIELD OF APPLICATION

Adingpoks 1T is a two-component thixotropic epoxy adhesive with excellent mechanical properties and adhesion. It is used to achieve strong structural bonding in construction, achieving high adhesion and high mechanical resistance. It is used for adhesion of marble, granite, natural stone, concrete elements, metal, steel, aluminium, glass and other building materials.

It is used as adhesive for carbon strips during reparation and strengthening of reinforced concrete structures. It is used for repair of damage and segregation on concrete surfaces, for smoothing and grouting.

## PROPERTIES

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

## TECHNICAL FEATURES

| PROPERTY                                    | METHOD          | DECLARED VALUE         |
|---|-----------------|------------------------|
| Apperance (A+B)                             | -               | Colored viscous liquid |
| Mixing ratio                                | -               | A : B = 4,7 : 1        |
| Pot-life at a temperature of 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               |
| Hard to the touch (Hard dry) at T=(20-25°C) | Internal method | 22-24 h                |

## SUBSTRATE PREPARATION

The substrate on which Adingpoks 1T is applied should be dry, clean, degreased, dust-free and free of cement milk residue or residues of other materials. The substrate should be stable and sound, without friable and labile parts that would disrupt the solid bond. If it is applied to a metal substrate, it must be clean and without traces of corrosion.

Substrates made of concrete and cement mortar, it is recommended to be aged for 28 days from their application, and to have a strength of at least 25 MPa.

Care should be taken that there is no moisture present on the surface of the substrate from air condensation. The temperature of the air and the surface on which Adingpoks 1T is applied should be higher than 8°C.

## APPLICATION

The material is prepared by adding the B component to the A component, mixing the mixture with an electric mixer (300 to 500 rpm). The mixture is mixed until complete homogenization. It is mandatory to pay attention to the workability time of the material, which is 30 to 50 minutes at a temperature of 20°C to 25°C. Before mixing the material for application, it should be kept at appropriate temperature, between 10°C and 30°C.

The material is applied with a trowel, spatula or brush. Recommended layer thickness of the applied layer when using Adingpoks 1T as adhesive is 3 mm. When applying on vertical surfaces, it is necessary to use temporary supports.

When repairing damage to concrete structures, Adingpoks 1T can be applied in layers with a thickness of up to 30 mm.

When applying the product for adhesion of granite, marble and other heavy building elements on vertical surfaces, it is recommended to fix them mechanically.

The ambient temperature during application should be between 8°C and 30°C, the temperature of the substrate should be above 8°C and the relative air humidity should be max. 65%.

## CONSUMPTION

For a 1mm layer: 1.15 – 1.20 kg/m<sup>2</sup>

## CLEANING

Tools and equipment are cleaned by using SOLVENT-P, immediately after use

## 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 a temperature of 10-30°C. Shelf life: 9 months

**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.