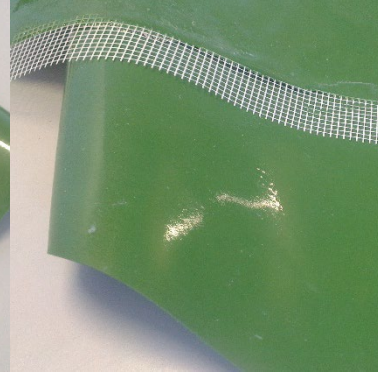




Rev 0  
12/24



# ELASTOTEK

Resistant, protective and waterproofing bi-component elastomeric coating



## DESCRIPTION

Coloured elastomeric protective and waterproofing coating, based on modified water-repellent polyurethane resins, free from solvents and bituminous products.

## GENERAL FEATURES

Two-component product characterized by excellent elasticity, good mechanical resistance, excellent chemical resistance, good leveling power, as well as absolute impermeability to water, applicable to roller, brush, spatula, airless spray.

In the silver-coloured version, the special laminar aluminium-based pigments make the coating particularly resistant to sunlight, thus not requiring further protective treatment with aliphatic or UV resistant finishes. Thermal insulation also benefits.

## SPECIFICATIONS

Dry residue	100%
Color	Silvery grey other RAL on request
Mixing Ratio	
Comp. A+B	100 + 52 pieces weight
Specific gravity mixture A+B	1.20 ± 0.03 g/cm <sup>3</sup> (silver aluminized version)
Pot life (workability time)	70' for 200 g
Minimum application temperature	+ 5°C
Interval between passes	16-24 hours (with armor)
Hardening	Walkable after 24 hours
Complete hardening	7 days
Minimum application temperature	+ 5°C

## MAIN APPLICATIONS

- Coating and waterproofing of cementitious surfaces in general.
- Coating of fibre cement roofs.
- Coating and waterproofing of roofs and terraces in cement or stone material.
- Coating of first rain tanks (excellent resistance to chlorides and sulphates)

ELASTOTEK also adheres perfectly to sheet metal, steel and iron.

ELASTOTEK is also available in the version for vertical application and therefore suitable for the coating of tanks, retaining walls, etc. (ELASTOTEK TIXO) and in the version with excellent mechanical resistance (ELASTOTEK TOP).

Several other applications are possible. Contact the Technical Department.

SHEET



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## THEORETICAL YIELD

2.2-2.6 Kg/sqm both with application with an American trowel, roller, brush or spray, depending on the condition of the substrate and in any case not less than 3 mm thick.

The fiberglass mesh is a must where there are substantial expansions (expansion joints, structural discontinuity and nature of the support).

## APPLICATION

Orientation cycle of application:

- Thorough cleaning of the substrate
- (Before applying ELASTOTEK, completely remove all traces of oils, greases, old paints, friable parts, bitumen, etc.) from the surface to be coated).
- If the application is to be carried out on bituminous membranes (slate and non-slate) it is mandatory to apply a layer of our TEKNALAST (see technical data sheet). Once dried, you can proceed with the application of the first layer of ELASTOTEK; Applicable with a spatula, roller, brush or airless spray.
- Apply fiberglass mesh (if provided).
- Proceed to the second layer of ELASTOTEK.

Number of layers:

- if the reinforcement is used: 2, interspersed with the insertion of glass mesh reinforcement, or other materials (in the latter case subject to compatibility testing).
- If you do not use the reinforcement which, in any case, is highly recommended, you can apply the product thickly in a single pass, or wet on wet directly.

Avoid applying the product in the presence of moisture derived from capillary rise.

## HOW TO USE

Before mixing components A and B with each other, they must be mixed separately beforehand in order to re-homogenize the separated components during storage.

For the above operation, use clean tools: if you use the same tool (e.g. spatula or helical impeller) to mix the comp. A and comp. B, this must be thoroughly cleaned before moving from one component to another.

The base and reagent are then weighed in the quantities indicated in the technical documentation:

- for the Standard self-levelling version (**ELASTOTEK**):  
100 pieces by weight of A + 52 pieces by weight of B
- for the Thixotropic version (**ELASTOTEK TIXO**):  
102 pieces by weight of A + 52 pieces by weight of B
- for the Resistant version (**ELASTOTEK TOP**):  
100 pieces by weight of A + 30 pieces by weight of B

using a sufficiently precise scale, and then mixed with each other at low rpm (to avoid excessive air intake), using a drill equipped with a helical impeller (such as those used for mixing paints and varnishes); For small amounts of mixture, a long spatula is sufficient.

Mixing must be carried out in a clean container of adequate capacity and continue for one minute. Subsequently, the mixture must be decanted into another container and re-homogenized until the color is completely homogenized, in order to avoid transporting (from the bottom or walls of the first container) any fractions of badly catalyzed product.

Since components A and B are pre-weighed, in the original packaging, in the right cross-linking ratio (100+52 parts weight) it is advisable, when possible, to organize the work in such a way as to use the entire contents of the packages.

## PACKS

ELASTOTEK (self-levelling version)



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Kit (A= 10.00 kg B=5.20 kg)

ELASTOTEK TIXO (thixotropic version)

Kit (A= 10.20 kg B=5.20 kg)

ELASTOTEK TOP (resistant self-levelling version)

Kit (A= 10.00 kg B=3.00 kg)

## STORAGE AND PRESERVATION



In the original sealed packages, stored at temperatures between +5°C and + 35°C, the product is valid for 8 months.

## WARNINGS

Always use personal protective equipment when handling and applying

## TECHNICAL INDICATIONS

### PROTECTIVE COATING TYPE PP

#### Two-component based on elastomeric polyurethane resin

The product must be CE marked in accordance with UNI EN 1504-2 with the Performance Assessment and Verification System 2+ among those of attestation provided for by EU Regulation 305/11. Supply and installation of elastic coating, for the protection of concrete substrates from the penetration of aggressive agents present in the atmosphere. The coating, completely impermeable to water, must also resist the action of frost, ultraviolet rays and also prevent the penetration of CO<sub>2</sub>. The application must be carried out, after preparation of the concrete substrate, in a dry thickness of not less than 400 µm, after application of a two-component primer based on epoxy polyamide resins, in a minimum dry thickness of 50 µm in order to regulate the absorption of the substrate and improve the adhesion of the coating. The finish must also have the following characteristics:

- Adherence to concrete (UNI EN 1542)  $\geq 2$  MPa;
- Application temperature +10°C ÷ +40°C;
- CO<sub>2</sub> permeability compliant with UNI EN 1062-6 standard;
- Water vapour permeability in compliance with UNI EN 7783 standard.



## TECHNICAL INDICATIONS

### WATERPROOFING SHEATH

#### Two-component based on elastomeric polyurethane resin

The product must be CE marked in accordance with UNI EN 1504-2 with the Performance Assessment and Verification System 2+ among those of attestation provided for by EU Regulation 305/11. Supply and installation of elastic coating, for the protection of concrete substrates from the penetration of aggressive agents present in the atmosphere. The coating, completely impermeable to water, must also resist the action of frost, ultraviolet rays and also prevent the penetration of CO<sub>2</sub>. The application must be carried out, after preparation of the concrete substrate, in a dry thickness of not less than 3 mm, after application of a two-component primer based on epoxy polyamide resins, in a minimum dry thickness of 50 µm in order to regulate the absorption of the substrate and improve the adhesion of the coating. The finish must also have the following characteristics:

- Adherence to concrete (UNI EN 1542)  $\geq 2$  MPa;
- Application temperature  $+10^{\circ}\text{C} \div +40^{\circ}\text{C}$ ;
- CO<sub>2</sub> permeability compliant with UNI EN 1062-6 standard;
- Water vapour permeability in compliance with UNI EN 7783 standard.
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## LEGAL

The information contained in this technical data sheet, although representing the most advanced stage of knowledge, does not exempt the user from carrying out accurate preliminary tests in his own conditions of use and operation. Therefore, no liability is accepted for improper use of the product.

