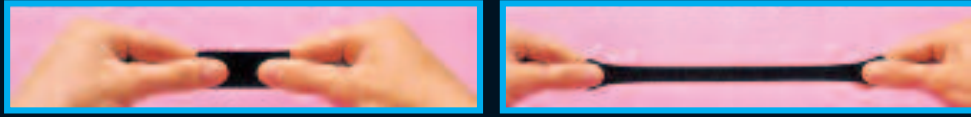


# Elastik®



*Bituminous elastomeric water-based liquid membrane*

## A universal waterproofing product for all construction works

A liquid product, ready-to-use and applicable using a brush or a roll, to waterproof the **NEW** and repair the **OLD**

Ten-year guarantee



01.12.2013

# CONTENTS PAGE

Learn about this exceptional new product, its features and many applications. Just browse through this brochure's CONTENTS PAGE.

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## Pages 8 and 9:

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## Page 13:

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## Pages 19 and 20:

Technical specifications for *ElastiK*.

## Pages 21, 22, 23, 24 and 25:

Important things you need to know to apply *ElastiK* correctly. These pages contain the following basic information:

- 1 Ideal weather conditions to apply *ElastiK*
- 2 How to clean and prepare the surfaces to treat
- 3 How to dilute the product and what tools you need to apply it
- 4 Reinforcements for *ElastiK*
- 5 How to fix the reinforcements for *ElastiK*
- 6 Applications and consumption
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Please read the **BEFORE-USE INSTRUCTIONS** carefully before starting to work

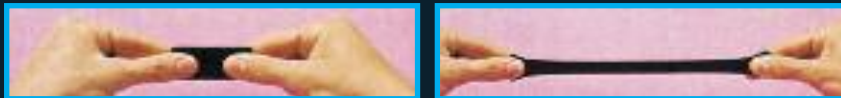
These instructions are also included in all *ElastiK* cans, as shown in the photograph on page 21 of this brochure.



# A universal waterproofing product for all construction works

A liquid product, ready-to-use and applicable using a brush or a roll, to waterproof the **NEW** and repair the **OLD**

# Elastik®



Ten-year guarantee

**Bituminous elastomeric water-based liquid membrane**

**Easy to apply** using a brush, roller, mop brush, trowel, sprayer

**Applicable to all materials**, including when moist

**Anti-UV and anti-aging** (certified)

**Resistant to stagnant water**

**Low (-20°C) and high (+150°C) temperature resistant**

**An eco-friendly**, water-based product

## Ideal uses:

**To waterproof structures** of any shape and material

**To protect and seal all metal** (including rusty) surfaces

**To fix all types of insulated panels** to concrete surfaces

**To repair** deteriorated waterproofings

**To refurbish** damaged balcony and terrace waterproofings without removing the old tiles thanks to the **Elastik System**

To apply thin (1-2 mm) **waterproof coatings** to bathrooms and other moist environments



# Elastik®

The only bituminous elastomeric water-based liquid membrane, with a 10-year guarantee

UV- and ageing-resistance certified by  
ISTITUTO GIORDANO  
(test no. 150359 of 25/07/2001)



## Certifications obtained by **ElastiK**<sup>®</sup>

To provide our customers with a high-quality product, **ElastiK** has been tested and certified by prestigious Italian and international institutions, guaranteeing that:

**ElastiK provides 10-year min. waterproof protection when correctly applied and reinforced using our polyester non-woven fabrics.**

**Certified for use as a waterproofing agent for construction works by the University of Munich; test no. 51162a/03 of 15.03.2004**



**Certified UV- and ageing-resistant**  
by Istituto Giordano;  
test no. 150359 of 25.07.2001

**Certified steam-resistant**  
by Istituto CSI;  
test no. 026/CF/P/97 of 18.06.1997

**Certified non-pollutant for water**  
by Istituto CSI;  
test no. 22/CF/M/97 of 16.04.1997

**“NO FIRE” ElastiK is “Class 1” fire-resistant as certified**  
by Istituto CSI;  
test no. DC01/275F02 of 20.05.2002

Some examples of the many uses of **ElastiK®**



To waterproof irregular surfaces



To waterproof all metal surfaces and protect them against rust

Some examples of the many uses of **ElastiK®**



Refurbishments and general maintenance



To fix insulated panels to breathable surfaces (ex. concrete, wood)

Some examples of the many uses of **ElastiK<sup>®</sup>**



To maintain and renew old bituminous membranes



To spray-paint (Airless-style) large surfaces

## Some examples of the many uses of **ElastiK**<sup>®</sup>



To waterproof the new or repair old bituminous membranes applying **ElastiK** and **Supporto Antifessura** (150 g/m<sup>2</sup> polyester non-woven fabric)



To waterproof old metal roofs and protect them against rust



# Some examples of the many uses of **ElastiK**<sup>®</sup>



To seal small areas, including when moist



To repair and waterproof cracks (in the photograph: repairing a crack on a bituminous membrane near a roof drain) applying **ElastiK** and **Supporto Antifessura**



**To repair bituminous membranes in rolls**

# Elastik<sup>®</sup>



**Bituminous elastomeric water-based liquid membrane**



**A typical example of two sheets of bituminous membrane coming off at the joints and causing water infiltration into the slab and the rooms below (see photo below)**



Waterproofings obtained by torch-applying bituminous membranes in rolls are particularly weak at the front and side joints. After a few years, due to different factors and to the great mechanical strain coming from the slab, the sheets of membranes tend to crack open at the seams, causing water to infiltrate into the rooms below.

Repairing them by applying the **ElastiK** water-based bituminous elastomeric liquid membrane and the **Supporto Antifessura** 150 g/m<sup>2</sup> polyester non-woven anti-crack reinforcement (using the 25 cm wide roll) **is easy, economic and guaranteed** to be effective.

- **Easy:** **ElastiK** is a water-based single component product, ready-to-use and brush- or roll-applicable

- **Economic:** there is no need to treat the entire surface, just repair the cracks or, to prevent further breaks, just treat all the head or side joints between the sheets of bituminous membrane – this way, the surface to treat is reduced to only about one quarter of the entire waterproof surface.

- **Guaranteed** to be effective: **ElastiK** has been certified resistant to UV, ageing, stagnant water and low (-20°C) and high (+150° C) temperatures by prestigious Italian and international institutions.

For further information, please call our Technical Office on (+39)02.98280913.



Use **ElastiK** to apply the **Supporto Antifessura** (150 g/m<sup>2</sup> polyester non-woven fabric, 25 cm wide roll) to the central area of the crack to repair.



Apply the **Supporto Antifessura** reinforcement using only one coat of **ElastiK** to cover it completely. Apply a second coat of **ElastiK** after 24 hours.

# ElastiK<sup>®</sup> System<sup>10</sup>

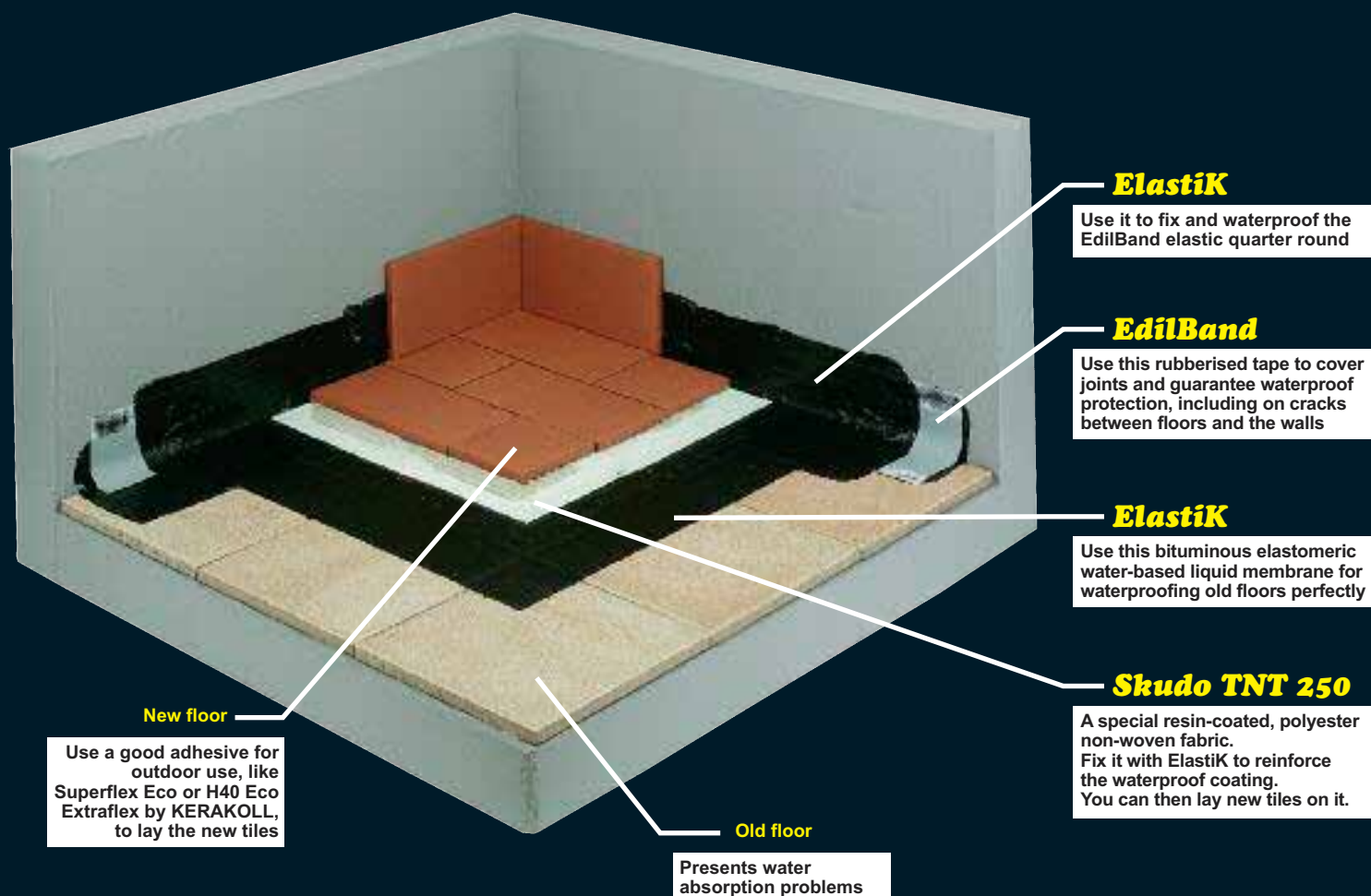
Employ the **ElastiK System** to refurbish damaged balcony and terrace waterproofings without removing the old tiles.

It is a practical, simple and economic system, carefully designed and well-tested.

Use it also on all the new terraces not thick enough to support the classic 5 cm concrete screed.

Employing the **ElastiK System** on balconies with sides up to 3 metres

- 1) Remove the baseboard and clean the balcony accurately, removing any earth, dust or parts coming off
- 2) Repair any missing parts using cement mortar and adding **Ripresa Latex** to it
- 3) To ensure the system is properly applied to the areas connecting the balcony and the walls, use **ElastiK** to fix the **EdilBand** 12 cm wide rubberised polyester tape to both the horizontal and the vertical surfaces, forming a quarter round. Then apply a first coat of 0.750 kg/m<sup>2</sup> of **ElastiK** using a roll or a brush. Twenty-four hours after the application of the first coat, you can apply a second coat of 0.750 kg/m<sup>2</sup> of **ElastiK**.
- 4) To lay tiles on the **ElastiK** waterproof coating, first apply a layer of **Skudo TNT 250** polyester fabric, using 0.5 kg/m<sup>2</sup> of **ElastiK**.
- 5) After a few days, you can lay tiles on the **Skudo TNT 250** reinforcement using a good adhesive for outdoor use, like **Superflex Eco** or **H40 Eco Extraflex** by KERAKOLL.



## Employing the ElastiK System on balconies with sides longer than 3 metres

**Old floor** leaking water into the underlying slab, or new balconies with **concrete screed**.

**ElastiK** Use it to fix the **Skudo TNT 250** resin-coated polyester non-woven fabric (500 g/m<sup>2</sup>).

**Skudo TNT 250** is a special resin-coated polyester non-woven fabric, 1 mm thick and 250 g/m<sup>2</sup> heavy. Use it to reinforce waterproofings on balconies with sides longer than 3 metres. **Skudo TNT 250** is not required on smaller balconies.

**Waterproofing** obtained by applying two coats of **ElastiK** 24 hours apart and using 0.750 kg/m<sup>2</sup> per coat (total consumption: 1.5 kg/m<sup>2</sup>)

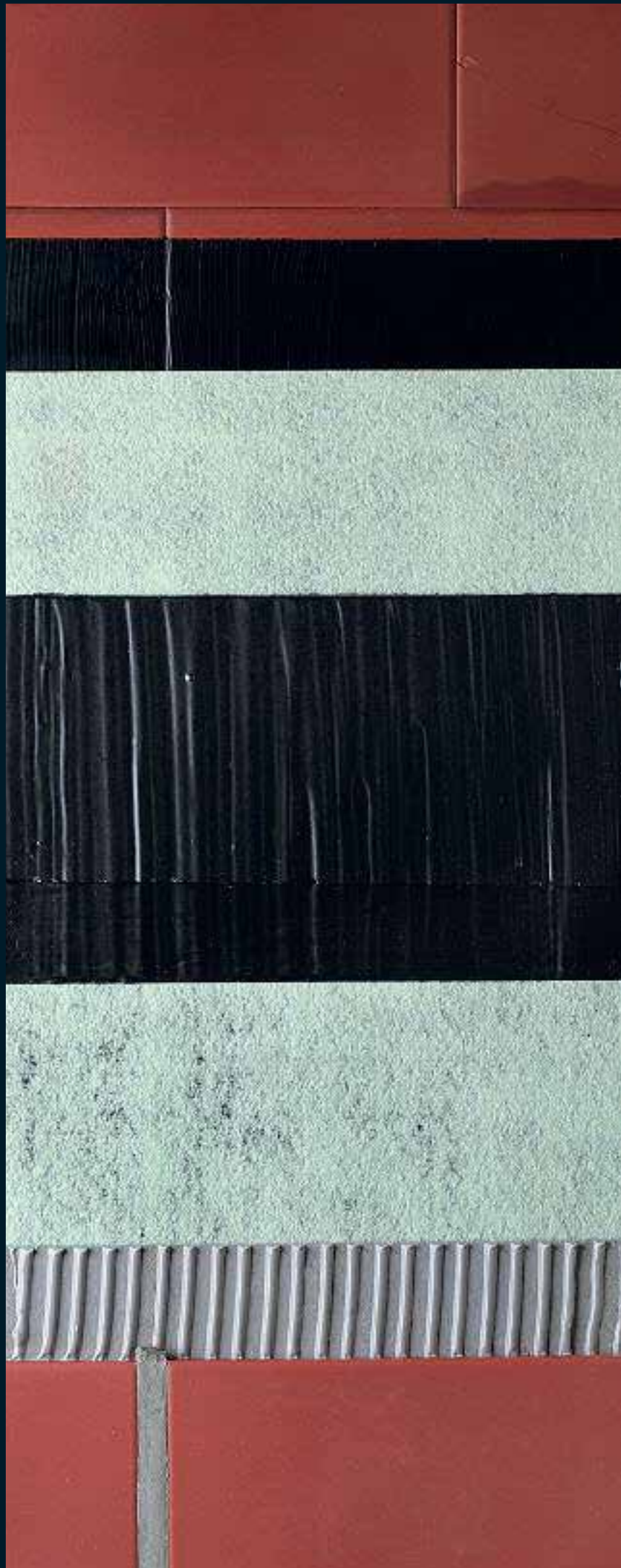
At this stage, you can decide whether you want to lay the new tiles immediately, following the procedure below, or wait to test the waterproofing and lay the tiles at a later stage.

**ElastiK** Use it to fix the **Skudo TNT 250** resin-coated polyester non-woven fabric (500 g/m<sup>2</sup>).

**Skudo TNT 250** is a special resin-coated polyester non-woven fabric, 1 mm thick and 250 g/m<sup>2</sup> heavy. Use it as a permeable reinforcing layer before laying the new tiles.

To lay the tiles, use a good adhesive for outdoor use like **Superflex Eco** or **H40 Eco Extraflex** by KERAKOLL.

**The new tiles** must be sealed with a suitable waterproof joint filler to avoid any water leaks that may cause the tiles to detach or break in the winter when the water freezes.



Section view of the ElastiK System

Here is a brief summary of how to apply the **ElastiK System** to waterproof tiled balconies without removing the old tiles or creating a 5 cm concrete screed.

Compared to others, our System has the advantage of allowing you to choose whether to apply the tiles immediately or wait for as long as you want. This way you can test and verify the waterproofing of the floor before laying the new tiles.

In case you have doubts or questions about the instructions below, **BEFORE YOU START WORKING** (nothing can be after application), please call our Technical Office on (+39) 02.98280912.

### Balconies with sides longer than 3 metres

- 1 ) Remove the baseboard and clean the balcony accurately, removing any earth, dust or parts coming off
- 2 ) Repair any missing parts using cement mortar and adding our **Ripresa Latex** to it
- 3 ) Apply our **Skudo TNT 250** resin-coated polyester non-woven fabric, coming in 1 m (height) x 50 m (length) rolls, using **ElastiK** and following these instructions: To apply **Skudo TNT 250** using **ElastiK**, do not apply **ElastiK** on the surface first, followed by the **Skudo TNT 250**: **ElastiK** would dry immediately and fail to fix the fabric. Instead:
  - Place the roll of on the surface to treat
  - Apply a strip of 0.5 kg/m<sup>2</sup> of **ElastiK** in front of the roll using a large brush. Then, on the fresh product, immediately apply the roll of **Skudo TNT 250**, pressing it with the feet to help the **ElastiK** penetrate into the fabric.
  - Once you have reached the end of the slab, cut the roll of **Skudo TNT 250**. It is better to place some weights at the beginning and at the end of the polyester sheet to prevent the fabric from rising before it adheres completely.
  - The second polyester sheet must be applied covering the first one by at least 10 cm (as usually done with bituminous membranes in rolls) and so forth, until the entire balcony is covered. To ensure the system is properly applied to the areas connecting the balcony and the walls, use the 10 cm wide rubberised polyester tape **EdilBand** to fix **ElastiK** to both the horizontal and the vertical surfaces, forming a quarter round.
- 4 ) Twenty-four hours after applying **Skudo TNT 250**, you can apply the first coat of 0.750 kg/m<sup>2</sup> of **ElastiK**, using a roll or a brush. After 24 hours from the application of the first coat, you can apply a second coat of 0.750 kg/m<sup>2</sup> of **ElastiK**. This is the last step in the waterproofing process. At this stage, you can decide whether you want to lay the new tiles immediately, following the procedure described below at points 5 and 6, or wait to test the waterproofing and lay the tiles at a later stage.
- 5 ) To lay the tiles on the waterproof layer made of **ElastiK**, you must again first apply the **Skudo TNT 250** polyester fabric (use the same technique illustrated before at point 3), using 0.5 kg/m<sup>2</sup> of **ElastiK**. In this case, though, the polyester sheets must not overlap but be laid side by side.
- 6 ) After a few days, it will be possible to lay tiles on the **Skudo TNT 250** layer using a good adhesive for outdoor use, like **Superflex Eco** or **H40 Eco Extraflex** by KERAKOLL.  
On balconies with sides shorter than 3 metres, you can avoid applying the first reinforcing polyester layer as described at point 3. Just apply the second layer of **Skudo TNT 250** as in 5, and the tiles can be laid directly on it.

Do not apply **ElastiK** in bad weather conditions: the freshly-applied layer of **ElastiK** may be washed away by the rain or freeze. Minimum day and night application temperature: +5°C.

**IMPORTANT:** The **ElastiK System** only works using our resin-coated polyester non-woven fabric **Skudo TNT 250**, which has been variously and successfully tested to work with the system. We have no data on works made using other types of polyester non-woven fabric.

# The reinforcements to use with **ElastiK** 13

## The synthetic supports required to reinforce the product correctly

To guarantee long-term results, **ElastiK** must be reinforced using a suitable **reinforcing** support.

Choose the **reinforcement** suitable for your work among the ones below. Each of these **reinforcements** has been tested and approved (we have no data on works made using supports different from those illustrated below).



### **Supporto Antifessura**

150 g/m<sup>2</sup> polyester non-woven fabric

**Supporto Antifessura** is the most used support for **ElastiK**. Use it to reinforce **ElastiK** in open air waterproofings (not those covered in tiles or by a concrete screed), or in earth-retaining walls. **Supporto Antifessura** is also used to reinforce **ElastiK** when repairing joints between sheets of bituminous membrane, to waterproof seal metal covering sheets and in many other applications. **Supporto Antifessura** comes in 50 m x 1 m, 50 cm or 25 cm wide rolls. For **DIY** use, there are 10 m x 25 cm wide rolls. For further information, please consult the **technical specifications** file on our website [www.edilchimica.com](http://www.edilchimica.com).



### **Skudo TNT 250**

250 g/m<sup>2</sup> resin-coated, polyester non-woven fabric

**Skudo TNT 250** is a very hard polyester non-woven fabric, about 1 mm thick, used to reinforce waterproof layers made of **ElastiK** when they must be covered in tiles or by a concrete screed. This support is also used in the **ElastiK System** (see pages 10, 11 and 12 of this brochure), before laying tiles on waterproof layers made of **ElastiK**. **Skudo TNT 250** comes in 50 m x 1 m wide rolls. For further information, please consult the **technical specifications** file on our website [www.edilchimica.com](http://www.edilchimica.com).



### **Edilband**

is a joint-covering tape made of rubberised polyester

**Edilband** is used to guarantee the waterproofing of joints between vertical and horizontal surfaces when applying the **ElastiK System** (see pages 10, 11 and 12 of this brochure).

**Edilband** comes in 50 m x 12 cm wide rolls. For further information, please consult the **technical specifications** file on our website [www.edilchimica.com](http://www.edilchimica.com).

# Refurbishing old metal surfaces

Example of total refurbishing of an old metal surface with rust and water infiltration.

**The treatment consists in:**

- Cleaning the surface with a high-pressure water jet machine to remove rust, dirt, etc.
- Applying a layer of polyester non-woven fabric on the joints of the metal sheets using **ElastiK**
- Spray-applying two coats of **ElastiK** 48 hours apart
- After 20 days, spray-apply a coat of aluminium paint like Allumisol 12/14 or similar



**How the metal roof (about 7,000 m<sup>2</sup>) looked like before refurbishing**



**Cleaning the surface with a high-pressure water jet machine to remove rust, dirt, etc.**



Applying the *Supporto Antifessura* polyester non-woven fabric (50 cm, 150 g/m<sup>2</sup> rolls) on the joints between metal sheets or on holes.





How the metal roof looked like after treating it with two coats of *ElastiK* applied 48 hours apart (spray-painting, 1 kg/m<sup>2</sup>)



How the metal roofs looked like after treating it with one coat of aluminium paint like *Allumisol 12/14* , applied 20 days after the second coat of *ElastiK* (spray-painting, 200 g/m<sup>2</sup>)

# Restoration of fibre cement surfaces

An example of a fibre cement surface heavily damaged by hail

**The restoration consisted in:**

- Cleaning the surface with suitable equipment to remove dirt, mould and any parts coming off
- Using **ElastiK** to apply the **Supporto Antifessura** polyester non-woven fabric on damaged surfaces
- Applying, using a brush or a roll, two layers of **ElastiK**, at least 24 hours apart



A fibre cement cover clearly broken by hail



What the fibre cement cover looks like after repairing the holes caused by the hail. In case you wish to treat the entire roof with **ElastiK** to increase its life and guarantee its waterproof quality over the years, you need to first clean the surface well with a high-pressure water cleaner. Then, using a brush, roll or sprayer, apply two layers **ElastiK** at least 24 hours apart, using about 1 kg/m<sup>2</sup> for both layers.

## How to restore fibre cement surfaces



Clean well using wire wool to remove dirt, mould and any parts coming off



Use *ElastiK* to apply the *Supporto Antifessura 25 cm* polyester non-woven fabric



After applying the polyester non-woven fabric, apply the first layer of *ElastiK*



After at least 24 hours, apply the second layer of *ElastiK*



# ElastiK®

Technical Data Sheet

## Bituminous elastomeric water-based liquid membrane

### Introduction

*ElastiK* is a ready-to-use thixotropic, semi-thick black paste, made by emulsifying selected distilled bitumens, additives and specific rubber materials that provide the product, once dry, with exceptional waterproofing, adherence, elasticity, anti-aging, anti UV and weatherproofing qualities, as certified by Istituto Giordano during test no. 150359 of 25.07.2001.

**Once dry (after 15-20 days from application), *ElastiK* will not melt or crack, even if constantly exposed to water, high or low temperatures (resistant to temperatures of +150°C, cold flexibility: -20°C). *ElastiK* waterproofings are guaranteed 10 years when the product is correctly applied and reinforced using a suitable support.**

### Fields of application

*ElastiK* is a new eco-friendly (water-based) product for: all **waterproofing** works, substituting the best bituminous membranes in rolls; **protecting and sealing** all metal surfaces, fixing all kinds of insulated panels to concrete or oxygen breathable surfaces; repairing all damaged waterproof works. *ElastiK* thus proves the best product to make all the following **works without employing specialised workforce**:

- **Waterproofing** old and new concrete terraces, earth-retaining foundation walls, and irregular surfaces.
- Applying rust-proof and waterproof protection to old and new metal sheets, drain pipes, underground or aboveground storage tanks and all metal structures to protect from the weather.
- **Waterproof sealing all metal-metal**, metal-concrete, metal-glass, concrete-concrete, bitumen-concrete, etc. joints.
- **Fixing** in a waterproof and high and low temperature resistant way all kinds of insulated panels to concrete, plaster, breathable surfaces or surfaces allowing the transpiration of water vapour coming from drying adhesives.
- **Repairing** old bituminous membranes.
- **Waterproofing balconies without removing the old floors.**

### Application

The surfaces to treat with *ElastiK* must be perfectly whole and clean. All crumbs and uneven parts must therefore be eliminated first. Apply *ElastiK* by brush, roll or spray, using suitable Airless devices. It is advisable not to apply more than 1 mm of product per coat, to speed up drying. *ElastiK* can also be applied to damp surfaces as long as there is no stagnant water. When working on water-filled slabs, use suitable air vents to eliminate the condensation below the waterproof layer (1 vent every 50 m<sup>2</sup>). *ElastiK*, once perfectly dry (15-20 days), is resistant to stagnant water. Application temperatures vary between +5°C and +40°C.

**IMPORTANT:** please note that all waterproof works made on reinforced concrete or any slab containing metal will present with micro cracks every 4-5 metres. The use of a polyester support to reinforce the *ElastiK* layer is thus always required.

The polyester reinforcements recommended in combination with *ElastiK* are the following:  
**Supporto Antifessura:** a 150 g/m<sup>2</sup> polyester non-woven fabric to make open-air waterproofings. **Skudo TNT 250:** a 250 g/m<sup>2</sup> polyester non-woven fabric for all waterproof layers to be covered with tiles or by a concrete screed. Before applying it, dilute *ElastiK* with 5% water (1 litre per 20 kg can) and mix well.  
**Approximate consumption of *ElastiK* is as follows:**

- **Cement surfaces:** 1.5-2 kg/m<sup>2</sup> applied in two coats, 24 hours apart, reinforcing them with **Supporto Antifessura** 150 g/m<sup>2</sup> polyester non-woven fabric.
- **Old bituminous membranes:** 1.5-2 kg/m<sup>2</sup> applied in two coats, 24 hours apart, reinforcing them with **Supporto Antifessura** 150 g/m<sup>2</sup> polyester non-woven fabric.
- **Metal surfaces:** 1-0.5 kg/m<sup>2</sup> applied in two coats, 48 hours apart (it dries more slowly on metal).
- ***ElastiK System*** applied to small balconies (with sides up to 3 metres): 2 kg/m<sup>2</sup>, reinforcing it with **Skudo TNT 250** 250 g/m<sup>2</sup> polyester non-woven fabric, on which the tiles will be laid.
- ***ElastiK System*** applied to large balconies (with sides longer than 3 metres): 2.5 kg/m<sup>2</sup>, reinforcing *ElastiK* first with a **Skudo TNT 250** support, and then with another **Skudo TNT 250** support on which the tiles will be laid. Use an adhesive for outdoor use like **Superflex Eco** or **H40 Eco Extraflex** by KERAKOLL.

To strengthen *ElastiK* when applied to weather-exposed floors, always paint it after 48-72 hours, using our water-based (non-acrylic) grey or red **ColorBit** paint. Alternatively, **after 15-20 days**, paint it with our solvent-based aluminium paints **Allumisol** or **Allumisol 12/14**.

For more information on how to apply *ElastiK*, please consult the section "**Important things to know for a correct application of *ElastiK***" on pages 22, 23, 24 and 25 of this brochure.

## Technical specifications

COMPOSITION	Fillerised bituminous emulsion and synthetic rubbers
TYPE OF PRODUCT	Ready-to-use single component
VISCOSITY	Thixotropic
DENSITY	1.05 kg/dm <sup>3</sup>
DRY RESIDUE	65 %
INFLAMMABILITY	Non-flammable
LOWEST DAY AND NIGHT APPLICATION TEMPERATURE	+5°C
ELONGATION AT BREAK	1000 %
RESISTANCE TO HIGH TEMPERATURES	Over +150°C
COLD FLEXIBILITY	- 20°C
COLOUR	Black
SHELF LIFE	1 year from the manufacturing date when perfectly sealed in its container, protected from freezing or excessive heat

## Instructions

- Stir *ElastiK* well before use.
- **In its original packaging, *ElastiK* is subject to freezing. Once frozen, the product can no longer be used.**
- **Do not apply *ElastiK* in bad weather conditions: the freshly-applied layer of *ElastiK* may be washed away by the rain or freeze.**
- Dip the brushes or rolls used to apply *ElastiK* into water to prevent the product from drying. Shake them well to eliminate excess water before using them again. After finishing, clean tools well with water first and then with a solvent like turpentine.



# Instructions for use

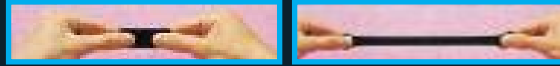
Open the can to find a leaflet  
with the instructions to apply **ElastiK** correctly

You will find these instructions in the next four pages of this brochure



# Important things you need to know to apply Elastik correctly

# Elastik®



Ten-year guarantee

*Bituminous elastomeric water-based liquid membrane*

## A universal waterproofing product for all construction works

To waterproof the **NEW** and repair the **OLD**

## Ten-year guarantee

Waterproofings made using **Elastik** are guaranteed for 10 years when the product is correctly applied and reinforced using suitable polyester non-woven supports, as illustrated at point 4 of this brochure.

### 1. Ideal weather conditions to apply **Elastik**

- **Elastik** is a water-based product, so it must be protected from rain or frost until all the water it contains has evaporated.
- **Elastik** should be applied at a day and night temperature of at least +5°C.
- Before the application, it is very important to check the weather conditions: it should not rain on the freshly-applied product. After only 24-48 hours, **Elastik** is perfectly waterproof. **If it rains on the product soon after applying it, Elastik will be washed away and will have to be applied again.**
- Wait at least 24 hours between the first and second coat of **Elastik**.

### 2. How to clean and prepare the surfaces to treat

- **Elastik** is a paint and, like all paints, it must be applied to clean surfaces, with no dust, crumbs or uneven parts. **It is thus very important to clean the surface to treat** (if possible, using a high-pressure water jet machine).
- The surfaces to treat can be damp or slightly wet, but must not present with any puddles or stagnant water, which would dilute the product.

### 3. How to dilute the product and what tools you need to apply it

- Always stir **Elastik** very well before use.
- **Elastik** is a thick product that can be made fluid by simply stirring it by hand.
- For an easier application, it is better to dilute it with 5% water (1.5 litres per 30 kg can, 1 litre per 20 kg can, 0.5 litre per 10 kg can, 250 ml per 5 kg can or 1 glass, 50 ml per 1.2 kg can or 1 coffee cup).
- **Elastik** can be applied with a brush, roll or any suitable Airless spray device

### 4. Reinforcements for **Elastik**

To guarantee long-term results, **Elastik** must always be reinforced using a suitable support.



Choose the reinforcing support best suited to your work from those described below.

Each of these reinforcements has been tested and approved (we have no data on works made using supports different from those illustrated below).

- **Supporto Antifessura**, 150 g/m<sup>2</sup> polyester non-woven fabric.

**Supporto Antifessura** in 1 m x 50 m wide rolls is ideal to reinforce open-air waterproofings (without the application of ceramic tiles or a concrete screed) made using **ElastiK**.

When repairing bituminous membranes, **Supporto Antifessura** in 25 cm x 50 m wide rolls is required to reinforce **ElastiK** at the joints between the various membrane sheets.



A typical example of how to repair a head joint between two sheets of bituminous membrane using a 25 cm wide roll of **Supporto Antifessura**.

Lay **Supporto Antifessura** in the central area of the crack to repair using **ElastiK**, then apply a first coat of **ElastiK** on the **Supporto Antifessura** reinforcement, filling it completely. Apply a second coat after 24 hours.

**Supporto Antifessura** comes in 50 m x 1 m, 50 cm or 25 cm wide rolls. For DIY use, there are 10 m x 25 cm wide rolls.

- **Skudo TNT 250** is a 250 g/m<sup>2</sup> resin-coated, polyester non-woven fabric

It is recommended to reinforce **ElastiK** waterproofings when tiles or a concrete screed must be applied. This support is also used in the **ElastiK System** before laying tiles on **BALCONIES** or **TERRACES** waterproofed with **ElastiK**.

**Skudo TNT 250** comes in 50 m x 1 m wide rolls.

- **EdilBand** is a joint-covering tape made of rubberised polyester.

**EdilBand** is recommended to guarantee the waterproofing of joints between vertical and horizontal surfaces when applying the **ElastiK System**. **EdilBand** comes in 50 m x 12 cm wide rolls.

## 5. How to attach **ElastiK** reinforcements

To apply **Skudo TNT 250**, **Supporto Antifessura** or **EdilBand** using **ElastiK**, do not apply **ElastiK** on the surface first and the reinforcement afterward: **ElastiK** would dry immediately and fail to fix the fabric. Instead:

- Place the roll of reinforcing support on the surface to treat
- Apply a strip of 0.5 kg/m<sup>2</sup> of **ElastiK** in front of the roll using a large brush. Then, on the fresh product, immediately apply the reinforcing support, pressing it with the feet or the brush to help **ElastiK** penetrate into the fabric

## 6. Applications and consumption

- **On new concrete slabs** ..... Total consumption: 1.5-2 kg/m<sup>2</sup> + **Supporto Antifessura**

First join the horizontal slab and the vertical surfaces like perimeter walls, chimneys, sky lights, pillars, etc. To do this, apply the **Supporto Antifessura** 150 g/m<sup>2</sup> polyester non-woven fabric, using the 25 cm wide roll. Fix half of it on the horizontal surface and half on the vertical surface (alternatively, you can use **EdilBand**, which is more expensive but more suitable for this operation).

After joining the horizontal and the vertical surfaces, lay the **Supporto Antifessura** 150 g/m<sup>2</sup> polyester non-woven fabric, using the 1 m wide roll and overlapping the sheets by about 10 cm. After at least 24 hours, apply a coat of **ElastiK** on **Supporto Antifessura** using a brush or roll. After 24-48 hours, apply a second coat, for a total consumption of about 1.5 kg/m<sup>2</sup>. **ElastiK** can be colour painted over as described in

**7. Painting over **ElastiK**** .

- **On earth-retaining walls Total consumption: 1.5-2 kg/m<sup>2</sup>**

In this type of application it is essential to prepare the surface to treat carefully, so any gravel nests or holes must be closed by applying **ElastiK** over them with a trowel as it were cement mortar. Further joints will have to be reinforced by applying the **Supporto Antifessura** 150 g/m<sup>2</sup> polyester non-woven fabric, using the 25 cm wide roll, and fixing it to the concrete surface using **ElastiK**. After treating the surface as described above, it is possible to apply a first coat of 0.7 kg/m<sup>2</sup> **ElastiK**, using a roll. After at least 24 hours, you can apply a second coat of 0.7 kg/m<sup>2</sup> of **ElastiK** using a roll. The **ElastiK** waterproofing of the earth-retaining wall will have to be protected from refilling gravel using the classic plastic studded membranes in rolls (like **Guttabeta**, **Platon**, **Fondaline**, **Delta MS**, etc.) or polyester panels.

- **On old bituminous membranes ..... Total consumption: 1.5-2 kg/m<sup>2</sup> + Supporto Antifessura**  
**To renew an old bituminous membrane that does not leak but presents with micro cracks due to ageing**, we recommended applying 1 or 2 coats of **ElastiK** with a brush or roll, at least 24-48 hours apart, for a total consumption of 1-1.5 kg/m<sup>2</sup>.

**To repair cracks between sheets of membrane**, apply the **Supporto Antifessura** 150 g/m<sup>2</sup> polyester non-woven fabric, using the 25 cm wide roll, on the cracks only, using **ElastiK**. Then immediately apply a generous coat of 0.5 kg/m<sup>2</sup> of **ElastiK** on the polyester reinforcement, covering it completely. The advantage of this type of application is to treat only the head and side joints of the sheets of membrane. So, in theory, only 250 m<sup>2</sup> out of any 1000 m<sup>2</sup> have to be treated, saving time and materials.

**If an old waterproof membrane is to be substituted completely**, it is not necessary to remove it. Instead: clean the surface very well to remove dust, earth or parts of membrane coming off. Then fix the **Supporto Antifessura** 150 g/m<sup>2</sup> polyester non-woven fabric, using the 1 m wide roll, overlapping each sheet of about 10 cm (as with all bituminous membranes). After at least 24-48 hours, apply a generous coat of **ElastiK**. After at least 24-48 hours, apply a second coat, for a total consumption of about 2 kg/m<sup>2</sup>. **IMPORTANT: when it is very hot, we recommend applying **ElastiK** in the early hours of the morning and not in the afternoon: the membrane is black-coloured, and under the sun it reaches very high temperatures, not compatible with our water-based product (on hot surfaces, it can burn and detach from the surface).**

**ElastiK** can be colour painted as described in **7. Painting over **ElastiK**** .

- **On metal surfaces Total consumption: 1-0.5 kg/m<sup>2</sup> + Supporto Antifessura** **If the metal surface to treat is rusted**, it must be carefully cleaned and all the rust and dust must be removed before applying **ElastiK**. The best results are obtained by using a high-pressure water jet machine. In case the metal surface presents with holes due to age and rust, these must be repaired using the **Supporto Antifessura** 150 g/m<sup>2</sup> polyester non-woven fabric, and painted over with **ElastiK**. Apply a first coat of 250-500 g/m<sup>2</sup> of **ElastiK** on the clean and repaired metal surface, using a brush or a roll.

**After at least 48 hours** (the product does not dry on metal as fast as on concrete), you can apply a second coat of 250-500 g/m<sup>2</sup> of **ElastiK**. On slightly inclined metal surfaces where rainwater can percolate through the head and side joints of the sheets, apply **Supporto Antifessura**, using the 50 cm wide roll, to solve the problem. Using the 50 cm wide roll of **Supporto Antifessura**, the consumption of **ElastiK** is 1 kg/m.

**IMPORTANT: when it is very hot, we recommend applying **ElastiK** in the early hours of the morning and not in the afternoon: under the sun, metal surfaces reach very high temperatures, not compatible with our water-based product (on hot surfaces, it can burn and detach from the surface).**

**ElastiK** can be colour painted as described in **7. Painting over **ElastiK**** .

**In the **ElastiK System**, to refurbish damaged BALCONY and TERRACE waterproofings or to waterproof new balconies without creating a 5 cm concrete slab to lay the tiles.**

- **On small balconies with sides up to 3 metres Total consumption: 2 kg/m<sup>2</sup> + 1 Skudo TNT 250.** Connect the horizontal and vertical surfaces fixing the **EdilBand** joint-covering rubberised polyester tape with **ElastiK**. Fix half of it on the horizontal surface and half on the vertical surface. Apply 2 coats of 1.5 kg/m<sup>2</sup> of **ElastiK** at least 24 hours apart, using a brush or roll. After at least 24 hours, apply the **Skudo TNT 250** 250 g/m<sup>2</sup> resin-coated polyester non-woven fabric, using 0.5 kg/m<sup>2</sup> of **ElastiK**. After 2-3 days, lay the new tiles using an adhesive for outdoor use like **Superflex Eco** or **H40 Eco Extraflex** by KERAKOLL.

- On balconies or terraces with sides longer than 3 metres Total consumption: 2.5 kg/m<sup>2</sup> + 2

### Skudo TNT 250

Connect the horizontal and vertical surfaces fixing the EdilBand joint-covering rubberised polyester tape with **ElastiK**. Fix half of it on the horizontal surface and half on the vertical surface.

Fix the Skudo TNT 250 250 g/m<sup>2</sup> resin-coated polyester non-woven fabric to the slab, using about 0.5 kg/m<sup>2</sup> of **ElastiK**. Overlap the sheets by about 10 cm. After at least 24 hours, apply 2 coats of **ElastiK** at least 24 hours apart, using a brush or roll, for a total consumption of about 1.5 kg/m<sup>2</sup>. After at least 24 hours, apply the **Skudo TNT 250 250** g/m<sup>2</sup> resin-coated polyester non-woven fabric, using about 0.5 kg/m<sup>2</sup> of **ElastiK**. After 2-3 days, lay the new tiles using an adhesive for outdoor use like **Superflex Eco** or **H40 Eco Extraflex** by KERAKOLL.

For more information on the correct application of the **ElastiK System**, please consult the Technical file on pages 10, 11 and 12 of this brochure.

## 7. Painting over **ElastiK**

**ElastiK** is UV- and ageing-resistant, so it can be used in its original black colour. If you wish to paint it to reduce the heat absorption due to its dark colour or to change its aspect,

- you can paint it after at least 2-3 days, using our water-based (non acrylic) grey or red **ColorBit** paint. Apply only one coat of it using a brush or roll, for a total consumption of about 250 g/m<sup>2</sup>.
- you can paint it after 15-20 days, using the solvent-based aluminium paints **Allumisol** or **Allumisol 12/14**. Apply only one coat of it using a brush or a roll, for a total consumption of about 100-150 g/m<sup>2</sup>.

## 8. Storage and shelf life

In its original packaging, **ElastiK** IS SUBJECT TO FREEZING. Once frozen, the product can no longer be used, so it must be stored at a temperature of at least +5°C.

When perfectly sealed in its container, **ElastiK** has a shelf life of at least 1 year.

## BEFORE-USE INSTRUCTIONS: please read carefully before starting to work

- **ElastiK** waterproofings cannot be used as step-ready floors. They can be stepped on only occasionally, for maintenance purposes. To make **ElastiK** layers perfectly step-ready, they must be tiled over (see **ElastiK System** on pages 10, 11 and 12 of this brochure).
- Do not apply **ElastiK** in bad weather conditions: the freshly-applied layer of **ElastiK** may be washed away by the rain or it may freeze.
- Do not apply **ElastiK** on hot surfaces because the water contained in the product would evaporate too fast and it may burn (as happens with concrete mortars), affecting its adherence and waterproof capacity. In the summertime and on all surfaces, particularly on metal ones, **ElastiK** should be applied in the first hours of the morning and not in the afternoon, when it is too hot.
- Do not apply **ElastiK** at day or night temperatures lower than +5°C.
- After only 24-48 hours, **ElastiK** is perfectly waterproof.
- **ElastiK** waterproofings must rest for at least 20 days on all surfaces directly exposed to water, such as pools, tanks, etc.  
**ElastiK** waterproofings must rest for at least 20 days also when covered by any material that may slow down the evaporation of the water contained in the product, e.g. earth in flower boxes, concrete tiles in floating floors, gravel ballast on terraces, etc.
- Dip the brushes or rolls used to apply **ElastiK** into water to prevent the product from drying. Shake them well to eliminate excess water before using them again. After finishing, clean tools well with water first and then with a solvent like turpentine.

# **The universal sealing agent for all construction works**

*Applicable to all materials and damp surfaces*



Unlike all other sealing agents, **Elastik** perfectly adheres to all construction materials to be found on roofs, such as: new or old bituminous membranes, PVC sheets, concrete surfaces, tiles, new or rusted sheet metals, etc. Its special formula makes it adhere also to damp or wet surfaces, as long as there is no stagnant water. In its sealing format, **Elastik** comes in its classic 310 ml silicon-style cartridge. Lowest application temperature: +5°C. In its original packaging, Elastik is subject to freezing.