



## **WATERPROOFING MEMBRANES SELF ADHESIVE BITUMINOUS TAPES**

### **ESHATAPE –SELF ADHESIVE ELASTOMERIC BITUMINOUS WATERPROOFING TAPE WITH POLYESTER ALUMINIUM TOP COVER**

#### **FOR WATERPROOFING AND PROTECTION OF EVERY EXPOSED SURFACE**

#### **GENERAL DESCRIPTION**

**EshaTape** is an elastomeric bituminous waterproofing self-adhesive tape of advanced-technology. It is produced from SBS modified bitumen which exhibits impressive elasticity even at extremely low temperatures (-40 °C), and special additives that give the tape self-adhesive properties, hence the ability to stick very easily to a suitably prepared substrate without the need of a torch. Its top cover is polyester aluminium film with high elasticity and mechanical strength (acts also as EshaTape's reinforcement) and its bottom cover is a silicone release film.

It is produced in different widths and is designed for waterproofing and protection of every surface exposed to UV radiation.

#### **CHARACTERISTICS/ADVANTAGES**

- Excellent adhesion to rigid and smooth pre-primed surfaces.
- Quick and easy application, with contained application cost
- Being cold-applied and installed without the use of naked flames EshaTape offers higher safety level on the job.
- Excellent elasticity.
- High working temperature range (-40 °C έως 80 °C)
- Enhanced resistance to weathering.
- Highly resistant to ageing and oxidizing caused by atmospheric and chemical agents.
- Offered in a large variety of widths

#### **APPLICATIONS**

- Cracks sealing or repair (patching) of existing waterproofing layers
- Joints sealing between different materials (e.g. metal pipes with concrete walls, tiles, chimneys and roof windows, gypsum boards with other construction materials, glasses with metal frames, etc.)
- Construction joints or cracks between same or different construction materials (e.g. concrete, metal, walls, wood, etc.)
- Repair of water tanks, wells, etc.
- UV Protection and waterproofing of metal and concrete pipes
- Joint Sealing in automotive sector (caravans, cars, trucks)

#### **ALFA ALFA ENERGY A.B.E.E.**

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EN ISO 9001: 2000

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- Joints sealing in prefabricated structures
- Joints sealing in marine & cargo boats

### **NORMS/CERTIFICATIONS**

*For all available certificates and certifications please contact Esha Sales Department.*

### **STORAGE**

EshaTape should be stored in its original package, protected from direct sunlight, rain, snow and ice.

### **APPLICATION PROCEDURE**

- Surface should be smooth, dry and dust free, clean from oil, rust and foreign matter.
- Prime the surface (especially if it is porous) with EshaStick Primer (0,5 kg/m<sup>2</sup>) or EshaPrimer 21 (0,3 kg/m<sup>2</sup>). Primer is cold applied as supplied, by brush, roller or spray gun and is allowed to dry.
- Use a knife or scissors to cut the tape in proper dimensions.
- Remove the silicone release PE film that covers the adhesive compound's bottom surface.
- Press the tape with a roller or a cloth pad starting from its center towards its edges, in order to avoid trapping air bubbles under its surface. The tape edges should cover the joint/crack at least 3 cm from both sides.
- At temperatures below 5 °C, EshaTape adhesion properties are enhanced by gently heating its tacky surface with a hot-air gun or torch.

### **Application notes**

- Application temperature should be higher than 5 °C.

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## **TECHNICAL CHARACTERISTICS**

<b>BITUMINOUS COMPOUND</b>	Elastomeric self-adhesive bituminous compound
<b>TOP SURFACE FINISH</b>	Polyester reinforced aluminium foil (0,063 mm) in two colors (aluminium natural , brick-red), extremely resistant to UV radiation.
<b>BOTTOM SURFACE FINISH</b>	Silicone release PE film
<b>REINFORCEMENT</b>	-
<b>THICKNESS</b> EN 1849-1	1,5 mm
Tensile strength longitudinal / transversal EN 12311-1	> 200 / > 200 N/50 mm
Elongation longitudinal / transversal EN 12311-1	> 20 % / > 20 %
Operating temperature range	- 40 °C / + 80 °C
Application temperature range	+5 °C / + 45 °C
Inflammability classification DIN 4102	B2
Reaction to fire EN 11925 - 2, EN 13501-1	E
Roll length	10 m
Standard roll width	5,10, 20, 30, 50, 100 cm

*Tolerances in the nominal values are in accordance with respective standards. Producer reserves the right to modify the properties of his products.*

*The information contained in this leaflet is, to the best of our knowledge, true and reliable and is supported by the present state of our knowledge. According to the care taken and the method of application, upon which we have no influence, the values are subject to divergence. Therefore for best results, prior to use, an application test should be made by the user under his own processing conditions.*

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