



## DECLARATION OF PERFORMANCE

No. GM-memb

According to Annex III of the Regulation (EU) No. 305/2011

Name of the product

### **Plastomeric (APP) Bituminous Waterproofing Membranes**

1. Unique identification code of the product-type:

**ESHAGUM**

2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11 (4):  
**Batch number: see packaging of the product**
3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:  
**Waterproofing of flat and inclined roofs, under tile waterproofing, waterproofing of basements, underground structures, bridges and general construction elements**
4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11 (5):

**ALFA ALFA ENERGY SA  
Paralia Aspropyrgou Attikis  
19300 Aspropyrgos, Athens - Greece**

5. Where applicable, name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12 (2):  
**Not relevant**
6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:  
**System 2+**
7. In case of the declaration of performance concerning a construction product covered by a harmonized standard:

**EN 13707:2004+A2:2009: System 2+  
EN 13969:2004+A1:2006 System 2+**

The notified body

**TZUS, Technical & Test institute for construction, Prague**

Performed the initial inspection of the manufacturing plant and of the factory production control and the continuous surveillance, assessment and evaluation of factory production control under system 2+ and issued:

**1020-CPR-010021423**

Certificate of conformity of the factory production control

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

**Not relevant**

#### **ALFA ALFA ENERGY S.A**

**Offices - Production: Paralia Aspropyrgou, 193 00 Aspropyrgos Attikis** Tel: 210-5518700 Fax: 210-5572974  
Offices - Warehouse Thessaloniki: Ipirou 18, 570 09 Kalochori, Thessaloniki Tel: 2310-783725, Fax: 2310-783326  
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REGISTER No. S.A.: 8088/03/B/86/63(06) & 121709007000

V.A.T. No. EL 094119545

Company Certified by



EN ISO 9001: 2015

EN ISO 14001: 2015





9. Declared performance

Technical Characteristics	T*	Performance	Unit	Test Specification
Length	±0.02	8 or 10	m	EN 1848-1
Width		1	m	EN 1848-1
Weight	±0.2	3.0 – 6.0	Kg/m <sup>2</sup>	EN 1849-1
Softening Point	≥	148	°C	EN 1427
Penetration at 25 °C	±5	25	dmm	EN 1426
Tensile strength L/T	±20%	non woven polyester – SP250: <b>1100/900</b> non woven polyester – SP: <b>900/650</b> longitudinal Reinforced polyester: <b>550/420</b> glass fleece: <b>300/200</b>	N/50mm	EN 12311-1
Elongation L/T	±15%	non woven polyester – SP250: <b>50/60</b> non woven polyester – SP: <b>50/60</b> longitudinal Reinforced polyester: <b>40/55</b> glass fleece: <b>2/2</b>	%	EN 12311-1
Static puncture resistance (concrete)	≥	non woven polyester – SP250: <b>L4 (&gt;25 Kg)</b> Polyester: <b>L3 (15-25 kg)</b> glass fleece: <b>L2 (7-15 Kg)</b>	kg	EN 12730, UEAtc MOAT 27
Dynamic puncture resistance (concrete)	≥	Polyester: <b>13 Ø 8</b> glass fleece: <b>13 Ø 10</b>	mm	EN 12691, UEAtc MOAT 27
Flexibility to low temperatures	±5	-10	°C	EN 1109
Water tightness	≥	2	bar	UEAtc / EN 1928
Vapor diffusion coefficient	>	20000	---	EN 1931
Heat Resistance	≤	130	°C	EN 1110
Reaction to Fire		F	---	EN 13501-1
Dimensional Stability	≥	<b>-0,4 / +0,3 L/T</b> non woven polyester – SP, SP250 <b>-0,15 / +0,1 L/T</b> longitudinal Reinforced polyester <b>-0,1 / +0,1 L/T</b> Glass Fleece	%	EN 1107-1

T\*: Tolerance

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10. The performance of the product identified in points **1** and **2** is in conformity with the declared performance in point **9**. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point **4**.

Signed for and on behalf of the manufacturer by:

Elias Aloupis,  
Chemical Engineer  
Quality Control Manager

Aspropyrgos, 03/09/2019

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