



## DECLARATION OF PERFORMANCE

No. DN3550-memb

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

Name of the product

### Elastomeric (SBS) Bituminous Waterproofing Membranes

1. Unique identification code of the product-type:

**ESHADIEN ULTRA WHITE**

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

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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	10	m	EN 1848-1
Width		1	m	EN 1848-1
Weight	±0.2	4.0	Kg/m <sup>2</sup>	EN 1849-1
Softening Point	≥	125	°C	EN 1427
Penetration at 25 °C	±5	35	dmm	EN 1426
Tensile strength L/T	±20%	non woven polyester – SP: <b>900/650</b>	N/50mm	EN 12311-1
Elongation L/T	±15%	non woven polyester – SP: <b>50/60</b>	%	EN 12311-1
Static puncture resistance (concrete)	≥	Polyester: <b>L3 (15-25 kg)</b>	kg	EN 12730, UEA <sup>t</sup> c MOAT 27
Dynamic puncture resistance (concrete)	≥	Polyester: <b>13 Ø 8</b>	mm	EN 12691, UEA <sup>t</sup> c MOAT 27
Flexibility to low temperatures	±5	-20	°C	EN 1109
Water tightness	≥	2	bar	UEA <sup>t</sup> c / EN 1928
Vapor diffusion coefficient	>	20000	---	EN 1931
Heat Resistance	≤	110	°C	EN 1110
Reaction to Fire		F	---	EN 13501-1
Dimensional Stability	≥	<b>-0,4 / +0,3 L/T</b> non woven polyester - SP	%	EN 1107-1

T\*: Tolerance

**In addition to the properties above:  
Solar Reflectance Index (SRI) ≥ 87, according to ASTM E 1980-1**

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• **Further to the requirements of EN 13707**

Technical Characteristics	T	Performance	Unit	Test Specification
Elastic recovery of the bituminous binder of the membrane	≥	90	%	EN 13398
Elastic recovery of the bituminous binder of the membrane after the oxidative aging (R.T.F.O.T.), EN 12607-1	≥	90	%	EN 13398

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

Company Certified by



Aspropyrgos, 03/09/2019

EN ISO 9001: 2015

EN ISO 14001: 2015



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