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according to Article 29 of the
Regulation (EU)
No 305/2011 of the European
Parliament and of the Council
of 9 March 2011

MEMBER OF EOTA



European Technical Assessment ETA-20/0907 of 2020/12/01

I General Part

Technical Assessment Body issuing the ETA and designated according to Article 29 of the Regulation (EU) No 305/2011: ETA-Danmark A/S

Trade name of the construction product:

Hydrotech Monolithic Membrane 6125 Roof Waterproofing System

Product family to which the above construction product belongs:

Liquid applied roof waterproofing

Manufacturer:

Alumasc Building Products Ltd
White House Works
Bold Road
Sutton, St Helens
Merseyside WA9 4JG
United Kingdom
Tel: +44 (0) 1744 648400
e-mail: technical@alumascroofing.com
website: www.alumascroofing.co.uk

Manufacturing plant:

Hydrotech Membrane Corporation
10951 Parkway Boulevard
Ville d'Anjou
Quebec
QC H1J 1S1
Canada

This European Technical Assessment contains:

6 pages including 1 annex which form an integral part of the document

This European Technical Assessment is issued in accordance with Regulation (EU) No 305/2011, on the basis of:

European Assessment document (EAD) no. European Assessment Document EAD 030350-00-0402 for Liquid applied roof waterproofing kits

This version replaces:

Translations of this European Technical Assessment in other languages shall fully correspond to the original issued document and should be identified as such.

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1 Technical description of the product

The Hydrotech Monolithic Membrane 6125 Roof Waterproofing System is a kit based on a hot-applied, polymer-modified bitumen waterproofing membrane reinforced with a spunbond polyester scrim.

The following products are included in the kit:

- Hydrotech Monolithic Membrane 6125 — hot-applied, polymer-modified waterproofing membrane
- Flex-Flash F — a spunbond polyester scrim with a nominal mass per unit area of $50 \text{ g}\cdot\text{m}^{-2}$ for use as a reinforcement embedded in the waterproofing membrane
- Hydrogard Protection sheet — glassfibre reinforced bitumen sheet used as protection over the waterproofing membrane
- Alumasc Bitumen Primer — a bitumen based primer for use on concrete and wood surfaces to promote adhesion
- Flex-Flash UN — an uncured polychloroprene membrane used to reinforce the waterproofing membrane at joints, details and upstands where movement is likely to occur.

The kit is used to produce a homogeneous roof waterproofing membrane to the following specification:

- a first coat of Hydrotech Monolithic Membrane 6125, nominally 3 mm thick, with embedded Flex-Flash F polyester reinforcement, followed by a second coat of Hydrotech Monolithic Membrane 6125, nominally 3 mm thick. The total nominal thickness of the waterproofing membrane is 6 mm.

2 Specification of the intended use(s) in accordance with the applicable EAD

For use as a liquid-applied roof waterproofing in inverted or protected roof specifications with maximum slope of 15° on the following substrates:

- primed concrete⁽¹⁾
- prepared plywood.

(1) The concrete substrate must comply with the relevant requirements of the Assessment holder's installation instructions.

The provisions made in this European Technical Assessment are based on an assumed working life for the roof of 25 years. The indications given on the working life cannot be interpreted as a guarantee given by the producer or the Technical Assessment Body, but are to be regarded only as a means for choosing the right products in relation to the expected economically reasonable working life of the works.

3 Performance of the product and references to the methods used for its assessment

3.1 Mechanical resistance and stability (BWR 1)

Not relevant.

3.2 Safety in case of fire (BWR 2)

No performance assessed⁽¹⁾.

(1) The assembled system is always used protected. Consequently, external fire performance is dependent on the covering/ballast layer used in the roof specification. Deemed-to-satisfy coverings are listed in the Annex of Commission Decision 2000/553/EC.

3.3 Health, hygiene and the environment (BWR 3)

Characteristic	Category
Resistance to water vapour	See Annex A
Watertightness	See Annex A
Resistance to wind loads	No performance assessed
Resistance to dynamic indentation	See Annex A
Resistance to static indentation	See Annex A
Resistance to fatigue movements	See Annex A
Effect of low surface temperatures	See Annex A
Extreme low temperatures	No performance assessed
	–
Effects of high surface temperature	See Annex A
Resistance to heat ageing	See Annex A
UV radiation in the presence of water	No performance assessed
Resistance to water ageing	See Annex A
Root resistance	–
Content and/or release of dangerous substances ⁽¹⁾	See Annex A

3.4 Safety and accessibility in use (BWR 4)

Characteristic	Category
Resistance to wind loads	See Annex A
Resistance to water ageing	See Annex A
	See Annex A
Slipperiness	No performance assessed

3.5 Protection against noise (BWR 5)

Not relevant.

3.6 Energy economy and heat retention (BWR 6)

Not relevant.

3.7 Related aspects to serviceability

Characteristic	Category
Effect of application conditions:	
– Effects of remelting	See Annex A
– Effects of prolonged heating	See Annex A

4 Assessment and verification of constancy of performance (SAVCP) system applied, with reference to its legal base

According to the Decision 98/599/EC⁽¹⁾ and amended by Decision 2001/596/EC of the European Commission⁽²⁾, the system of assessment and verification of constancy of performance (see Annex V to Regulation (EU) No 305/2011) given in the following table applies:

(1) Official Journal of the European Communities L 287 of 24.10.1998

(2) Official Journal of the European Communities L 209 of 02.08.2001

Product	Intended use	Level or class	System
Liquid applied roof waterproofing kits	For all roof waterproofing uses	–	3

5 Technical details necessary for the implementation of the AVCP system, as outlined in the applicable EAD

Technical details necessary for the implementation of the Assessment and Verification of Consistency of Performance (AVCP) are laid down in the control plan deposited at ETA-Danmark A/S prior to CE marking.

Issued in Copenhagen on 2020-12-01 by



Thomas Bruun

Managing Director, ETA-Danmark A/S

ANNEX A CATEGORISATION OF LEVELS OF PERFORMANCE OF HYDROTECH MONOLITHIC MEMBRANE 6125 ROOF WATERPROOFING SYSTEM

This annex applies to the Hydrotech Monolithic Membrane 6125 Roof Waterproofing System kit described in the main body of the European Technical Assessment.

The substrates applicable to this kit are defined in the main body of the European Technical Assessment.

The kit has the following characteristics:

- water vapour permeability — $0.18 \text{ g}\cdot\text{m}^{-2}\cdot\text{day}^{-1}$
- resistance to wind loads — the kit is always used ballasted in inverted and protected roof specifications
- nominal thickness of waterproofing membrane — 6 mm
- effect of application conditions
 - effect of remelting — satisfactory
 - effect of prolonged heating — satisfactory

The categorisation of levels of performance in accordance with EAD 030350-00-0402 are:

- External fire performance — No performance assessed
- Reaction to fire — No performance assessed
- Categorisation by working life — W3
- Categorisation by climatic zones — M
- Categorisation by imposed loads — P1⁽¹⁾
- Categorisation by roof slope — S1
- Categorisation by surface temperature
 - lowest — TL1
 - highest — TH1
- Statement on dangerous substances — No performance assessed
- Root resistance — No performance assessed
- Slipperiness — No performance assessed

(1) P1 level of performance relates to use with the thinnest protection sheet, Hydrogard 20.