

System 500

NEWTON FIBRAN XPS 500-C

Closed-Cell Slotted Insulation Board

Rev 1.1 - 20 February 2018

PRODUCT CODE - 500C



EN 13164:2012+A1:2015

DECLARATION OF PERFORMANCE

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

1. Unique Identification of the Product Type:

FIBRAN XPS 500-C

2. Intended Use/es:

Thermal insulation products for buildings. Factory made extruded polystyrene foam (XPS) products

3. Manufacturer:

Newton Waterproofing Systems
 (a trading name of John Newton & Company Ltd.)
 Newton House
 17-20 Sovereign Way
 Tonbridge
 Kent
 TN9 1RH
 01732 360095
www.newtonwaterproofing.co.uk

4. Authorised Representative:

Not applicable

5. System/s of AVCP:

System 3

6a. Harmonised Standard of Product Specified

EN 13164

NOTIFIED BODY/IES:

LNEC - NB: 0856

NEWTON FIBRAN XPS 500-C

Closed-Cell Slotted Insulation Board

6b. European Assessment Document:

Not applicable

EUROPEAN TECHNICAL ASSESSMENT:

Not applicable

TECHNICAL ASSESSMENT BODY:

Not applicable

NOTIFIED BODY/IES:

Not applicable

7. Declared Performance:

Essential Characteristics	Declared performances
Thickness	50 mm
Declared compressive strength at 10% deformation	500
Compressive creep over 50 years at < 2% deformation	165
Declared thermal conductivity λ_D (after 25 years) - 50 mm	0.035
Declared thermal resistance R_D (after 25 years) - 50 mm	1.29 (m ² /K)/W
Dimensional tolerances	1 mm
Tensile strength perpendicular to faces	No performance data
Reaction to fire (Euroclass)	Class E
Continuous glowing combustion	No performance data
Acoustic absorption index	No performance data
Water permeability - long term water absorption - by immersion	0.7%
Water permeability - long term water absorption - by diffusion	5%
Water vapour diffusion resistance	80 μ
Durability of compressive strength against ageing / degradation - Compressive creep	No performance data
Durability of thermal resistance against heat, weathering, ageing/degradation	No performance data
Durability of reaction to fire against heat, weathering, ageing/degradation	No change in reaction to fire properties for XPS products

NEWTON FIBRAN XPS 500-C

Closed-Cell Slotted Insulation Board

8. Appropriate Technical Documentation and/or Specific Technical Documentation:

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.



Signed for and on behalf of the manufacturer by:

Name: Warren Muschialli – Managing Director

At: Newton Waterproofing Systems
 Newton House
 17-20 Sovereign Way
 Tonbridge
 Kent
 TN9 1RH

On: 26 August 2015



	 <p>Newton Waterproofing Systems Newton House 17-20 Sovereign Way Tonbridge Kent TN9 1RH</p>	<p>FIBRAN XPS 500-C EN 13164:2012+A1:2015 0856 Thermal insulation products for buildings. Factory made extruded polystyrene foam (XPS) products</p>
<p>Thickness</p> <p>Declared compressive strength at 10% deformation</p> <p>Compressive creep over 50 years at < 2% deformation</p> <p>Declared thermal conductivity λD (after 25 years) - 50 mm</p> <p>Declared thermal resistance RD (after 25 years) - 50 mm</p> <p>Dimensional tolerances</p> <p>Tensile strength perpendicular to faces</p> <p>Reaction to fire (Euroclass)</p> <p>Continuous glowing combustion</p> <p>Acoustic absorption index</p> <p>Water permeability - long term water absorption - by immersion</p> <p>Water permeability - long term water absorption - by diffusion</p> <p>Water vapour diffusion resistance</p> <p>Durability of compressive strength against ageing / degradation - Compressive creep</p> <p>Durability of thermal resistance against heat, weathering, ageing/degradation</p> <p>Durability of reaction to fire against heat, weathering, ageing/degradation</p>		<p>50 mm</p> <p>500</p> <p>165</p> <p>0.035</p> <p>1.29 (m²/K)/W</p> <p>1 mm</p> <p>No performance data</p> <p>Class E</p> <p>No performance data</p> <p>No performance data</p> <p>0.7%</p> <p>5%</p> <p>80 μ</p> <p>No performance data</p> <p>No performance data</p> <p>No change in reaction to fire properties for XPS products</p>