

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:

500C

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 13164:2012+A1:2015

NOTIFIED BODY/IES:

LNEC - NB: 0856

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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 EN 13164:2012+A1:2015		Declared Performance	EN 13164 Test Requirements
Thickness		50 mm	-
Declared compressive strength at 10% deformation		500 kPa	4.3.4
Compressive creep over 50 years at < 2% deformation		165	4.3.6
Declared thermal conductivity λ_D (after 25 years) - 50 mm		0.035 W/m ² .K	4.2.1
Declared thermal resistance RD (after 25 years) - 50 mm		1.29 (m ² /K)/W	4.2.1
Dimensional tolerances		1 mm	4.2.3
Tensile strength perpendicular to faces		No performance data	4.3.5
Reaction to fire (Euroclass)		Class E	4.2.4
Continuous glowing combustion		No performance data	4.3.12
Water permeability - long term water absorption by	Total immersion	0.7%	4.3.7.1
	Diffusion	5%	4.3.7.2
Water vapour transmission - Water vapour diffusion resistance		80 μ	4.3.9
Durability of compressive strength against ageing / degradation	Compressive creep	No performance data	4.3.6
Durability of thermal resistance against heat, weathering, ageing / degradation	Dimensional stability under specified temperature and humidity conditions		DS(70,90)
	Freeze / thaw resistance after long term absorption by	Total immersion	No performance data
		Diffusion	No performance data
Deformation under specified compressive load and temperature conditions		No performance data	4.3.3
Durability of reaction to fire against heat, weathering, ageing/ degradation		No change in reaction to fire properties for XPS products	
Release of dangerous substances to the indoor environment		-	4.3.10

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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>