



**DECLARATION OF PERFORMANCE**  
**No. SL2013-01**  
**SPACELOFT® fibre reinforced aerogel blanket**

1. <b>Unique Identification code of the Product Type:</b>	SPACELOFT®
2. <b>Type, batch or serial number</b> or any other element allowing identification of the construction product as required under Article 11(4):	Batch number identified on the packaging label
3. <b>Intended use</b> or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:	Thermal Insulation intended for use in walls, floors, and ceilings
4. <b>Name</b> , registered trade name or registered trade mark and contact address of the manufacturer as required pursuant Article 11(5):	SPACELOFT® Aspen Aerogels, Inc. 30 Forbes Road, Bldg B Northborough MA 01532 USA
5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):	N/A
6. <b>System or systems of assessment</b> and verification of constancy of performance of the construction product as set out in Annex V:	System 3 - Factory Control Plan – NK1 – ETA 11/0471
7. In case of the declaration of performance concerning a construction product covered by a <b>harmonised standard</b> :	N/A

8. In case of the declaration of performance concerning a construction product for which a **European Technical Assessment** has been issued: **ZAG, Slovenian National Building & Civil Engineering Institute issued ETA-11/0471 edition No. 2 on the basis of CUAP 12.01/36; performed Factory Control Plan under system 3**

**9. Declared performance**

Essential Characteristics	Performance	Test Standard	Harmonised Technical Specification
Thermal Conductivity <sup>1</sup>	0.015 W/mK $u_{23,50} = 1.9\%$ , $u_{23,80} = 4.1\%$ , $f_{u,1} = 0.25$ , $f_{u,2} = 2.19$	EN 12667	Not Applicable
Water Vapour Permeability	$\mu = 5.0$	EN 12086	
Geometry	Length -300mm / + no limit Width $\pm 25$ mm Thickness -10% or -0.5mm / + 1mm	EN 822, EN 823,	
Reaction to Fire	C <sub>s</sub> 1,d0	EN 13501-1	
Dimensional Stability	Length $ \Delta\epsilon_l  \leq 1\%$ , Width $ \Delta\epsilon_b  \leq 1\%$ , Thickness $ \Delta\epsilon_d  \leq 1\%$	EN 1604	
Compressive Stress @ 10% deformation	$\sigma_{10} > 80$ kPa,	EN 826	
Dynamic Stiffness and Compressibility	NPD	EN 29052-1 EN 12431	
Tensile strength parallel to faces	NPD	EN 1608	
Compressive Creep	NPD	EN 1606	
Short Term Water Absorption	NPD	EN 1609	

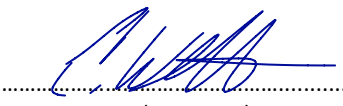
<sup>1</sup> Tested at 2 psi pressure

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:

Corby Whitaker, Senior VP Sales & Marketing  
 (name and function)

July 24, 2013  
 (place and date of issue)

  
 (signature)

For Further information:  
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