

T/A Kay Metzeler

## ***Declaration of Performance***

**DOP 0001 04/03/2013**

1. Unique identification code of the product type:  
**Kay-Cel EPS 70 - Thermal Insulation Products for Buildings**  
**Internal code - 103**
2. Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11 (4) of the CPR:  
**Kay-Cel EPS 70**
3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:  
**Thermal insulation for buildings.**
4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11 (5) of the CPR:  
**Vita Cellular Foams**  
**T.A Kay-Metzeler**  
**Brook Street**  
**Chelmsford**  
**Essex**  
**CM1 1UQ**
5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12 (2):  
**David Darkins**  
**T.A Kay-Metzeler**  
**Brook Street**  
**Chelmsford**  
**Essex**  
**CM1 1UQ**
6. System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V:  
**System 3**
7. In case of the declaration of performance concerning a construction product covered by a harmonised standard:

**DOP 0001 04/03/2013**

**BS EN 13163:2012+A1:2015 – Thermal insulation products for buildings – Factory made products of expanded polystyrene (EPS)**

British Board of Agrément (No.0836) carried out the determination of the product type on the basis of type testing (based on sampling carried out by the manufacturer), type calculation, tabulated values, and descriptive documentation of the product under System 3, and issued a test report BBA Certificate (89/2196).

8. Declared Performance:

Essential Characteristics	Performance	Harmonised Technical Specification
Thermal Conductivity (W/mK) Lambda 90:90	0.038	BS EN 13163 / EN 12667
Length	L(3)	BS EN 13163 / EN 822
Width	W(3)	BS EN 13163 / EN 822
Thickness	T(2)	BS EN 13163 / EN 823
Squareness	S(5)	BS EN 13163 / EN 824
Flatness	P(15)	BS EN 13163 / EN 825
Dimensional Stability under normal Lab Conditions	+/- 0.5% Class DS(N)5	BS EN 13163 / EN 1603
Cross Breaking Strength (kPa)	115	BS EN 13163 / EN 12089
Shear strength correlation (KPa)	55	BS EN 13163/Annex F
Compressive Strength at 10% deformation (kPa)	70	BS EN 13163 / EN 826
Long term Compressive strength at 2% or less deformation (KPa)	21	BS EN 13163/Annex F
Fire Classification	NPD	BS EN 13163/ EN 13501 / EN 11925
Durability of reaction to fire against heat, weathering, aging/ degradation	NPD	
Durability of thermal resistance against heat, weathering, aging/ degradation	NPD	
Durability of compression strength against ageing/ degradation.	NPD	
Water vapour diffusion resistance	20-40	BS EN 13163/Annex F
Water vapour permeability (mg/(Pa.h.m))	0.015-0.030	BS EN 13163/Annex F
Impact noise transmission index (for floors)	NPD	
Continuous glowing combustion	NPD	
Release of dangerous substances to the indoor	NPD	

9. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

**Signed for and on behalf of Vita Cellular Foams T/A Kay-Metzeler:**

**David Darkins / UK Industrial Conversion Operations Manager**

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(Name and job position)

**Place of Issue** Kay-Metzeler, Brook St, Chelmsford, Essex, CM1 1UQ  
**Date of issue** 10/08/16

**Signature**

