

Declaration of Performance

Number : D06/CPR/2013



Product type Expanded Polystyrene
 Product type reference Lambdatherm® Elite
 Intended use Thermal Insulation
 Harmonised Standard BS EN 13163 : 2012
 Attestation of conformity system 3

S and B EPS Ltd
 Dudley
 Cramlington
 Tyne and Wear
 NE23 7PY

Declared Performance Characteristics

| | | |
|--|---------------------------------|-----------------|
| Length | L(3) | |
| Width | W(3) | |
| Thickness | T(2) | |
| Squareness | S(5) | |
| Flatness | P(10) | |
| Compressive Strength @ 10% Deformation | CS(10)100 | (100 kPa) |
| Dimensional stability @ 23°C / 50% RH | DS(N)2 | |
| Dimensional stability @ 70°C / 90% RH | DS(70,90)1 | |
| Long term water absorption by immersion –Total | WL(T)4 | |
| Long term water absorption by immersion –Partial | 0.28 KG/M ² | |
| Tensile Strength –Dry Conditioned | TR200 | |
| Tensile Strength-Wet Conditioned (28 days) | TR200 | |
| Shear Strength | 0.19 N/mm ² | |
| Water Vapour diffusion resistance factor | 30 TO 70 μ | Tabulated Value |
| Water vapour permeability | 0.009 to 0.020 mg(Pa.h.m) | |
| Bending Strength | BS150 | (150kPa) |
| Thermal Conductivity | 0.030 W/mK | |
| Dangerous substances | None (No test method available) | |
| Reaction to Fire | Euroclass E | |

The performance of the product is in accordance with the specification given above

Notified Laboratories for Additional ITT Testing

| | | |
|----------------------------|--------------------------|----------------|
| British Board of Agreement | BTTG | Ceram |
| P O Box 195 | Fire Technology Services | Queens Road |
| Bucknalls Lane | Wira House | Penkhull |
| Garston | West Park Ring Road | Stoke-on-Trent |
| Watford | Leeds | Staffordshire |
| WD25 9BA | LS16 6QL | ST4 7LQ |

Authorised representative: Paul Banks

Signature: *P Banks*

Title: Technical Director

Date: 20-06-2013