

Declaration of Performance

NoMorePly XPS Insulated Tile Backing Boards Manufactured by STS Ltd.

Product Type: NoMorePly XPS Insulated Tile Backing Board

Product Identification Code: 5036, 5037, 5038 & 5040 - as per product labelling and packaging.

Intended Use: Thermal insulation and tile backing board for walls and floors in internal environments

System of Assessment and Verification of Constancy of Performance (AVCP): System 3

Harmonised Standard: BS EN 13164:2012+A1:2015 (Thermal insulation products for buildings - Factory made products of extruded polystyrene foam (XPS))

Notified Body: Independent testing laboratory (e.g., BBA or other accredited body under UKCA)

Declared Performance

Core Material (XPS Foam)

- Density: 32~34 kg/m³ (DIN 53420)
- Thermal Conductivity (Initial): 0.034 W/mK (DIN 52612)
- Thermal Conductivity (>5 yrs): 0.036 W/mK (ASTM C518)
- Compressive Strength (10% Deflection): ≥ 0.3 N/mm² (DIN 53421)
- Flexural Strength: 0.30 ± 0.02 MPa (ASTM C203)
- Water Absorption (2-day immersion): 0.2% by volume (ISO 2896)
- Water Vapour Diffusion Resistivity (μ): 110 - 225 μ (DIN 52615)
- Water Vapour Permeability: 0.028 ng/Pa.m.s (ASTM E-96)
- Coefficient of Linear Expansion: 70 x 10⁻⁶ K⁻¹
- EU Controlled Substances Content: None

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Cement Coating

- Thermal Conductivity (>5 yrs): 0.033 - 0.036 W/mK (EN 12667:2001)
- Compressive Strength (10% Deflection): ≥ 0.3 N/mm² (EN 826:1996)
- Bond Strength: 0.3 N/mm² (BS EN 1384)
- Maximum Tile Loading Weight: 62 kg/m² (CERAM121107)
- Flexural Strength: 2.05 ± 0.02 MPa (ASTM C203)
- Water Vapour Permeability (Sd): 3.2m (DIN EN 12086)
- Resistance to Body Impact: 3 x 120N/m (ETAG 003)
- Bending Stiffness, E (20mm / 30mm): 601 kNmm² / 1285 kN/mm² (EN 12089)
- Coefficient of Linear Expansion: 30×10^{-6} K⁻¹
- Flammability: Class E (EN 13501-1)
- Impact Sound Reduction: dLw = 21 (BS-ISO 140-8)
- Shear Bond Strength: 3.32 kg/cm² (EN 1448)
- EU Controlled Substances Content: None

Thermal Insulation Values (Based on Thickness):

- 6mm: R-value 0.11 m²K/W, U-value 3.63 W/m²K
- 10mm: R-value 0.21 m²K/W, U-value 2.62 W/m²K
- 12.5mm: R-value 0.28 m²K/W, U-value 2.23 W/m²K

Working Temperature Range: -50°C to +80°C

Dimensional Tolerances:

- Thickness: ± 2 mm
- Width: ± 2 mm
- Length: ± 2 mm

Appropriate Technical Documentation and/or Specific Technical

Documentation: Compliant with British Standards and UKCA regulations

Declaration of Performance

Name, registered trade name or registered trademark and contact address of the manufacturer as required pursuant to Article 11 (5):

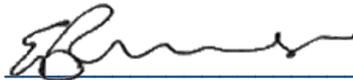
- STS Ltd
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Leeds, LS14 1PQ
Web: www.sts-uk.com
Tel: 0113 2022 010
E: technical@sts-uk.com

Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12 (2):

Not Applicable

The performance of the product identified above is in conformity with the declared performance. This declaration of performance is issued under the sole responsibility of STS Ltd.

Signature

A handwritten signature in black ink, appearing to read 'Eddie Burrowes', written over a horizontal line.

Name Eddie Burrowes
Position Managing Director

Date: 21st August 2024