BBA APPROVAL INSPECTION TESTING CERTIFICATION
TECHNICAL APPROVALS FOR CONSTRUCTION

STATEMENT OF CONFORMITY

No SC 010/09

Products

S and B Fill 20 (EPS 70), S and B Fill 45 (EPS 100) and S and B Fill 70 (EPS 150)

Manufacturer

S and B EPS Ltd
Dudley
Cramlington
Northumberland
NE23 7PY

Statement

S and B Fill 20 (EPS 70), S and B Fill 45 (EPS 100) and S and B Fill 70 (EPS 150) are expanded polystyrene boards for thermal insulation and light civil engineering applications and are the subject of British Board of Agrément Certificate 02/3943.

The products were tested to BS EN 14933 : 2007 *Thermal insulation and light weight fill products for civil engineering applications — Factory made products of expanded polystyrene (EPS) — Specification.*

The test results are given in the accompanying Annex 1.

On behalf of the BBA

Greg Cooper, Chief Executive

12 February 2009

ANNEX 1

STATEMENT OF CONFORMITY

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Table 1 Test results[1]

Clause	Property	S and B Fill 20	S and B Fill 45	S and B Fill 70
4.2.1	Length	L3	L3	L3
4.2.1	Width	W2	W2	W2
4.2.2	Thickness	T3	T3	T3
4.2.3	Squareness	S1	S1	S1
4.2.4	Flatness	P2	P2	P2
4.2.5	Dimensional stability under specified temperature and humidity conditions	DS(23,90)1	DS(23,90)1	DS(23,90)1
4.2.6	Compressive stress at 10% deformation[2]	CS(10)80	CS(10)100	CS(10)150
4.2.7	Bending strength	NPD	NPD	NPD
4.2.8.1	Reaction to fire classification	Class E	Class E	Class E
4.2.8.2	Continuous glowing combustion	NPD	NPD	NPD
4.3.2.1	Dimensional stability under specified temperature and humidity conditions	DS(23,90)1	DS(23,90)1	DS(23,90)1
4.3.2.2	Deformation under specified compressive load and temperature conditions	NPD	NPD	NPD
4.3.3	Compressive stress at 2% deformation[2]	CS(2)50	CS(2)70	CS(2)120
4.3.3	Compressive stress at 5% deformation[2]	CS(5)70	CS(5)100	CS(5)150
4.3.4	Point load	NPD	NPD	NPD
4.3.5	Compressive creep	CC(1.5/1/10)70	CC(1.5/1/10)100	CC(1.5/1/10)150
4.3.6.1	Resistance to cyclic compressive loading with square-wave load application	NPD	NPD	NPD
4.3.6.2	Resistance to cyclic compressive loading with sinus load application	NPD	NPD	NPD
4.3.7	Bending strength	NPD	NPD	NPD
4.3.9.1	Long term water absorption by immersion	NPD	NPD	NPD
4.3.9.2	Long term water absorption by diffusion	NPD	NPD	NPD
4.3.10	Freeze-thaw resistance Compressive stress at 10% deformation	FTC3 −1.06%	FTC3 1.82%	NPD 6.33%
4.3.11	Water vapour transmission	NPD	NPD	NPD
4.3.12	Release of dangerous substances	NPD	NPD	NPD
4.3.13	Apparant density	NPD	NPD	NPD

(1) Throughout the table, NPD = No Performance Determined.

(2) Data applies to 50 mm thick samples only.

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