



TILE BACKER BOARD

DATA & TEST SHEET

Product Description

The main component of Fastwarm® Tile backer boards is a high density, expanded polystyrene hard foam with flame retardant additive. Fastwarm® hard foam is manufactured in an environmentally friendly process without CFC's or HCFC's. Fastwarm® Standard Board is coated on both sides with a glass-fibre mesh reinforced polymer-cement coating.

Property	Rating	Assessed in Accordance With
Density (kg/m3)	34.4 (Avg)	DIN 53420
Compressive Strength	30 t/m2	DIN 52612
Bending Strength (k/pa)	350	
Thermal Conductivity (w/mk)	.027	DIN 52612
Dimensional Stability @23 °C/50% RH	DS (N) 2	
Dimensional Stability @23 °C/90% RH	DS (23,90) 1	
Water Absorption Capillary	0	DIN 53428
Water Absorption by Immersion	0.1% (Vol)	ISO 2896
Combustibility (Board)	B1	DN 4102
Tile Loading Weight (Board)	50kg/m ²	
Water Permeability - Tested at 10 bar (Xmm of Cement)	1000	DIN 1048
Capillary Absorption Kg x m ² x h0.5	0.073	BS EN 1062-3

ENVIRONMENTAL SAFETY & BIOLOGICAL FACTORS

Fastwarm® hard foam is not affected by bacteria, moulds or fungi and will not provide nutrient value for insects or vermin. It is non-toxic, non-irritant and odourless and has a Global Warming Potential (GWP) of zero and an Ozone Depletion Potential (ODP) of zero.

THERMAL INSULATION

Fastwarm® Hard Foam is a closed cell material with excellent stable thermal properties based on entrapped air. It has a thermal conductivity of 0.031 w/mk.

MOISTURE RESISTANCE

Fastwarm® Hard Foam is non-hygroscopic and is therefore moisture resistant whilst retaining its thermal properties.

DURABILITY

Fastwarm® Hard Foam is rot proof and durable and will remain effective as an insulant for the life of the construction (when installed as recommended).

COMBUSTIBILITY

Fastwarm® Hard Foam is manufactured with a flame retardant additive and when combined with the glass-fibre mesh reinforced polymer-cement coating will achieve a Euroclass B rating.