



# TILE BACKER BOARDS

## DATA SHEET

**Fastwarm Tile Backer Boards are built for superior thermal performance! Made from high-density extruded polystyrene with reinforced coatings, they're perfect for Fastwarm Sticky Mats, FastGrid, and Loose Cables. Boost heat efficiency and elevate your space with our top-tier solution!**

PROPERTIES	VALUE	ASSESSED IN ACCORDANCE WITH
Density (kg/m <sup>3</sup> )	34.4 (Avg)	DIN 53420
Compressive Strength	30 t/m <sup>2</sup>	DIN 52612
Bending Strength (k/pa)	350	-
Tensile Strength(1)	.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)	Euroclass E	-
Tile Loading Weight (Board)	50kg/m <sup>2</sup>	-
Water Permeability - Tested at 10 bar (Xmm of Cement)	1000	DIN 1048
Capillary Absorption Kg x m <sup>2</sup> 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.

### MOISTURE RESISTANCE

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

### 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.

### 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).