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Original-Panel Tile Backer Board

Constructed from extruded polystyrene foam, reinforced on both sides with fibre glass mesh and a cement coating creating a strong, lightweight and waterproof backer board for tile and stone installations.



PRODUCT DESCRIPTION

Dukkaboard Original-Panels provide a stable, ready-to-tile surface, compatible with all types of tile adhesives. With great thermal insulation values and high load strength, Dukkaboard Original-Panels can be used with all types of existing and mixed substrates including concrete, masonry, screeds, metal and wooden studwork.

Eliminate the risks linked with the common causes of tile failure associated with traditional building materials such as plywood and plasterboard which are prone to absorbing moisture, leading to substrate instability and mould growth.

The lightweight design makes the handling and installation of Dukkaboard Original-Panels a simple task.

Dukkaboard Original-Panels can be easily cut to size using a saw or knife.

PRODUCT FEATURES

- › Ideal for substrate preparation: ready-to-tile, stable substrate
- › Suitable for use with porcelain, ceramic and natural stone tiles
- › High thermal insulation value
- › Waterproof – totally impervious to moisture
- › Weather-proof
- › Rot-proof
- › High shear and compressive strength
- › Provides an element of decoupling
- › Lightweight and easy to install
- › Compatible with all types of tile adhesive



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PRODUCT SPECIFICATION (XPS CORE)

	STANDARD	RESULT	NOTES
Compressive Strength	BSEN 826	300 kPa	
Thermal Conductivity	BSEN 13164	0.036 W/m.k	
Water Absorption by Immersion	EN 12087	≤ 1.5%	
Density		36 kg/m³	
Temperature Range		-50°C + 75°C	
Fire Performance	BS 476 / EN 13501-1	National Class O / Euroclass E	
Sound Reduction	BS EN ISO 10140-3	(Δ <i>lw</i>) 19dB	Based on 12mm Dukkaboard
Static Loads fixed over Concrete & Structurally Stable Floors		30 Tons per m²	Based on a 1m x 1m tile fixed over the Dukkaboard

PRODUCT FORMATS AVAILABLE

STOCK CODE	LENGTH (MM)	WIDTH (MM)	THICKNESS (MM)	WEIGHT (KG)	U-VALUE W/m2.K	PALLET QTY	EAN 13 CODE
5570	1200	600	4	2.15	3.66	320	5065017007256
5571	1200	600	6	2.35	3.04	320	5065017007263
5572	1200	600	10	2.37	2.27	300	5065017007270
5573	1200	600	12	2.42	1.96	276	5065017007287
5574	1200	600	20	2.59	1.39	168	5065017007294
5597	1200	600	25	-	-	140	5065017007300
5575	1200	600	30	2.81	1.00	112	5065017007317
5576	1200	600	40	3.03	0.79	84	5065017007324
5577	1200	600	50	3.25	0.64	68	5065017007331
5578	1200	600	60	3.47	0.55	56	5065017007348
5579	1200	600	70	3.59	0.47	44	5065017007355
5580	1200	600	80	3.91	0.42	40	5065017007362
5584	2400	600	6	4.70	3.04	250	5065017007379
5583	2400	600	8	-	-	200	5065017007386
5585	2400	600	10	4.74	2.27	200	5065017007393
5586	2400	600	12	4.84	1.96	180	5065017007409
5587	2400	600	20	5.18	1.39	168	5065017007416
5599	2400	600	25	-	-	168	5065017007423
5588	2400	600	30	5.62	1.00	112	5065017007430
5589	2400	600	40	6.06	0.79	84	5065017007447
5590	2400	600	50	6.51	0.64	68	5065017007454
5591	2400	600	60	6.94	0.55	56	5065017007461
5581	2400	600	70	7.38	0.47	44	5065017007478
5582	2400	600	80	7.82	0.42	40	5065017007485
5593	2400	1200	10	9.48	2.27	100	5065017007492
5052	2400	1200	12	9.68	1.96	90	5065017007508
5594	2400	1200	20	10.36	1.39	84	5065017007515
5592	2400	1200	60	13.88	0.55	28	5065017007522



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APPLICATIONS

- › Floors, walls & ceilings
- › Bathrooms and wet rooms
- › Spas and saunas
- › Kitchens and living spaces
- › Swimming pools and associated (e.g.. balancing tanks)*
- › External areas**, patios, balconies and terraces

*The boards form part of the waterproofing system and are coated over with waterproofing material (tested to standard EN14891) used in conjunction with alkaline-resistant carrier: Dukkaboard reinforcement mesh and tape.

**Do not allow boards to be exposed to sunlight for extended periods due to degeneration by UV light.

PRODUCT CERTIFICATES & STANDARDS

Dukkaboard Original-Panel* has achieved BBA Approval under certificate number 21/5892.

*25mm Thickness excluded.

LOADING & BONDING

Dukkaboard Original-Panels are made from Hard Extruded Polystyrene (XPS) Foam which satisfies the requirements for BS EN13164:2008 and achieved a TR200 rating for bonding to cement mortar in accordance with BS EN1607:1997 coating with a flexible cement-based mortar and reinforced with an alkali resistant fibreglass mesh.

Fixed to structurally stable concrete floors Dukkaboard Original-Panels can resist significant static loads of up to 30 tons per m2 (calculation based on a 1m×1m tile fixed over Dukkaboard).

Fixed to structurally stable concrete pool shell, 10mm, 12mm, 20mm and 30mm up to 60mm thicknesses of Dukkaboard Original-Panels are suitable for water up to 2.5m deep (based on a mosaic tile 50×50mm tile). Mitigation of point loading is achieved with reinforcement mesh.

Fixed to timber floors, 12mm and greater Dukkaboard Original-Panels can significantly increase stability floors and reduce deflection.

Fixed to masonry walls and stud framework Dukkaboard Original-Panels are capable of vertical shear loading up to 100 kg/sqm.

INSTALLATION, FIXING & WATERPROOFING

Dukkaboard is easy to use and can be fixed using cement based flexible tile adhesive. Solvent based or ready mixed adhesives must not be used. Alternatively Dukkaboard can be fixed using dowels, or screws and washers.

Dukkaboard is completely resistant to water making it an ideal choice for use in areas subject to prolonged or permanent water immersion such as showers, bathrooms, wetrooms, pool areas etc.

When used in conjunction with Dukkaboard Aqua77 Waterproofing products, it forms part of a high performance waterproofing system for quality tiling, creative freedom and peace of mind.

The Dukkaboard system is complemented by an extensive range of accessories and waterproofing products.

For external use, please talk to our technical team for additional installation guidance.

INSTALLATION, FIXING & WATERPROOFING

With its excellent thermal properties and impressive U-values, Dukkaboard is essential when installing electric underfloor heating.

Heat mats and cables can be laid out easily over the durable reinforced cement coated surface, whilst the high density extruded polystyrene core provides excellent insulating properties, resulting in faster heat up times and greatly reduced downward heat loss.



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SOUND PROOFING PROPERTIES

Dukkaboard is the ideal solution where impact sound reduction is of particular importance. Designed for tiled floor areas where noise is an issue, its low mass helps to absorb impact sound energy, giving enhanced acoustic performance.

STORAGE

Dukkaboard Original-Panels should be stored flat, under cover and on a dry, level surface.
Stacks of loose boards should not exceed one metre in height.

NOTES

Safety data sheets are required by law for chemicals that pose a risk. Items that no longer undergo a physical or chemical change of state during their use are called final products and are not the subject of safety data sheets.

Please Note: Technical data represent average values. The technical information and application instructions are based on our experience and present knowledge. However, it is each users own responsibility to make trials with the original substrates in order to verify the suitability of our products for the intended purpose, taking into consideration all application related parameters.

Please contact us if you have any further questions. In case of any doubt, please obtain additional information from Dukkaboard.