

# Dukkaboard®



**The Knowledge Network**  
Technical information, support  
and installation guides from the  
expert team at Dukkaboard



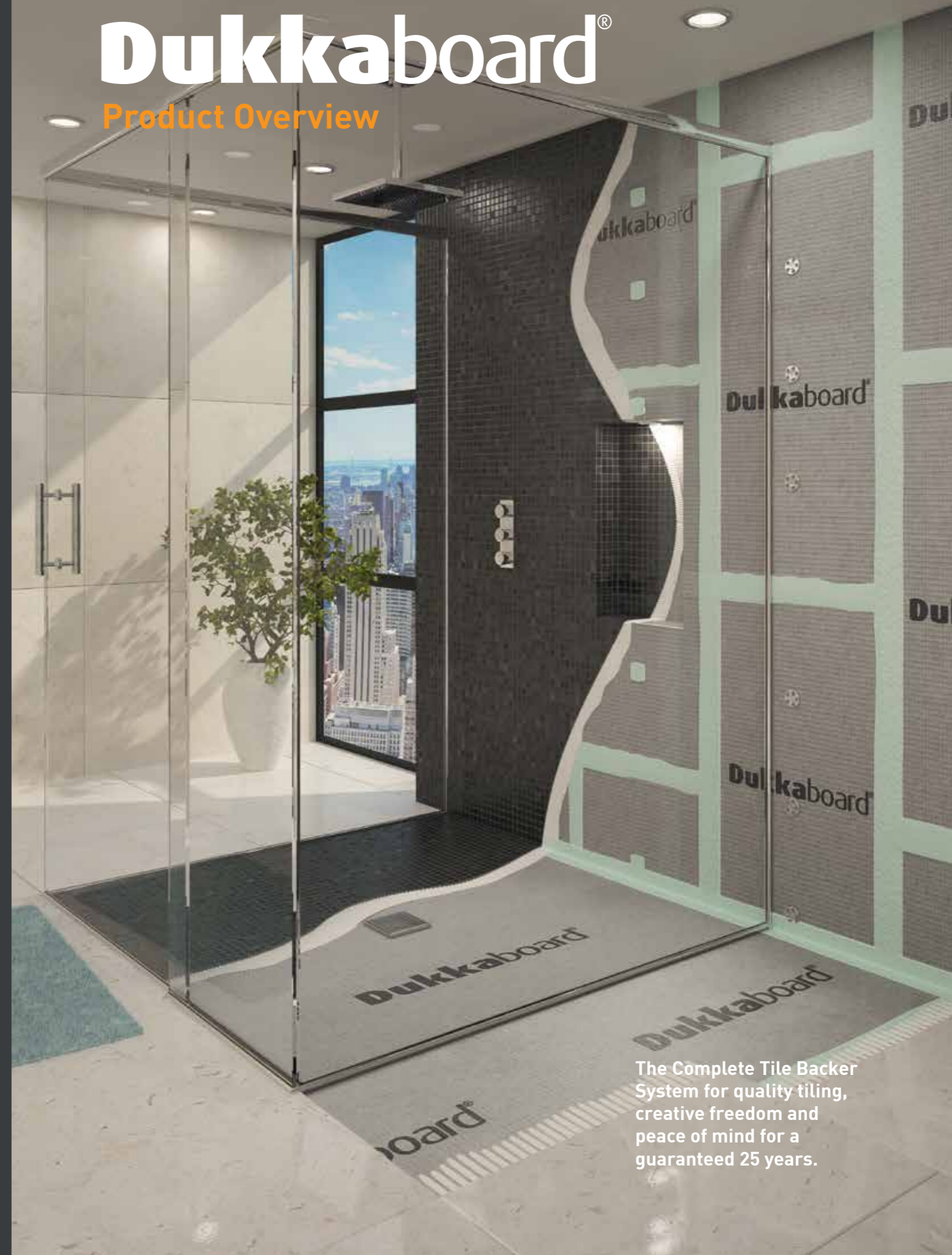
Dukkaboard  
Telephone 08701 271300  
support@dukkaboard.com  
www.dukkaboard.com

©Dukkaboard 2015  
Issue DPG 3 06.15  
Printed in England  
E & OE



# Dukkaboard®

## Product Overview



The Complete Tile Backer System for quality tiling, creative freedom and peace of mind for a guaranteed 25 years.

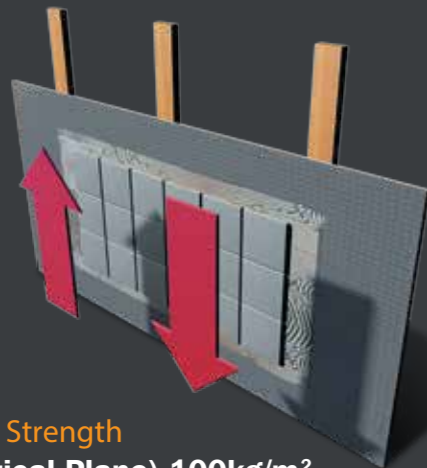
## Dukkaboard Technical Features



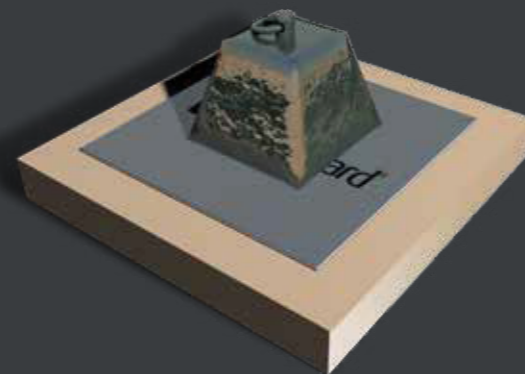
**Water absorption**  
**0.3% by volume**



**High Thermal Insulation (K Value)**  
**0.03W/m.k**



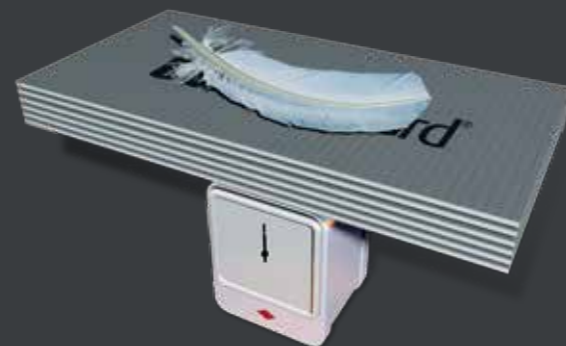
**Load Strength**  
**(Vertical Plane) 100kg/m<sup>2</sup>**



**Compressive Strength**  
**0.25N/mm<sup>2</sup>**



**Workability**



**Lightweight**

## Dukkaboard Technical Details

### Description

Dukkaboard Original Panels are made from Hard Extruded Polystyrene (EPS) 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. Dukkaboard XL is made from fibre-reinforced sheets which have been tested for Modulus of Rupture in accordance with the requirements for Category C material to BS EN 12467: 2008

### Delivery and site handling

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

### Properties in relation to fire

The boards will not adversely change the fire resistance of the wall on which they are installed.

When tested to BS 476-6: 1989, samples of Dukkaboard XL gave fire propagation indices (I) of 0.0, 0.1 and 0.0 respectively and sub-indices (i1) of 0.0, 0.1 and 0.0 respectively. When tested to BS 476-7: 1997, Dukkaboard XL achieved a Class 1 result.

When tested to BS EN ISO 1182: 2010 and BS EN 13823: 2010, samples of Dukkaboard Original and XL achieved a reaction to fire classification in accordance with BS EN 13501-1: 2007 of A2-s1, d0.

Therefore, Dukkaboard XL is classified as 'non-combustible' as defined in the various national Building Regulations.

### Dukkaboard Technical Details

Test standard for XPS centre	DIN EN 13164	
Load strength (vertical plane)	100kg/m <sup>2</sup>	
Compressive strength	DIN EN 1606	0.25N/mm <sup>2</sup>
Thermal conductivity	DIN EN 13184	0.03W/m.k
Water absorption	DIN EN 12087	0.3% by vol
Flame resistance	DIN 4102	Class B1 (not readily ignitable)
Coefficient of linear expansion	DIN 53752	0.07mm/m.k
Maximum service temperature (to board)	-50/+75°C	
Shear strength mortar XPS @ 90°	DIN EN 12090	0.20N/mm <sup>2</sup>
Tensile strength	DIN EN 1607	0.45N/mm <sup>2</sup>
U values	6mm	3.383W/m <sup>2</sup> K
	10mm	2.528W/m <sup>2</sup> K
	12mm	2.247W/m <sup>2</sup> K
	20mm	1.549W/m <sup>2</sup> K
	30mm	1.117W/m <sup>2</sup> K
	40mm	0.873W/m <sup>2</sup> K
	50mm	0.717W/m <sup>2</sup> K

## Fixing Guide Shower Trays Timber Floors

**1** Cut out the required section of flooring. **See fig 1.**

**2 All Dukkaboard trays should be supported between joists.**

Build a support for the drain body exactly 80mm below the surface of the surrounding floor. **See fig 2.**

**3** Fix a batten 18mm (or the depth of the flooring used) below the top of the joists. **See fig 3.**

**4** Connect the drain body to a 50mm BS standard waste pipe with solvent weld in the usual way. (Always check for leaks before final installation of the Dukkaboard tray). Cut the timber to fit between the joists and screw on to the new battens which must be securely fixed to the sides of the joists. **See fig 4.**

**5** The middle section needs a keyhole shape cut out for the waste. This should be 10mm bigger than the drain body. **See figs 5 & 6.**

**6** Using a 10mm notched trowel apply the flexible, cement-based tile adhesive to the floor then fix the shower tray in place using a tamping motion to ensure no voids remain underneath. **See fig 7.**

**7** Screw the upper section of the drain body into the lower section through the tray, being careful not to disturb the tray. Realign as necessary. **See fig 8.**

**8** Build up the surrounding floor area with the correct thickness of Dukkaboard as required using flexible, cement-based tile adhesive. **See fig 9.**

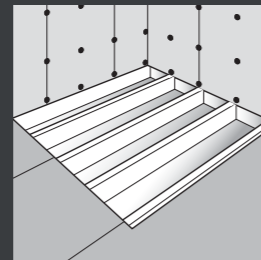


fig 1

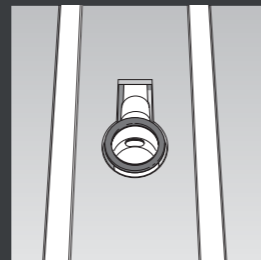


fig 6

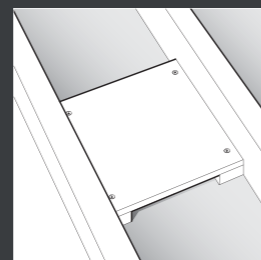


fig 2

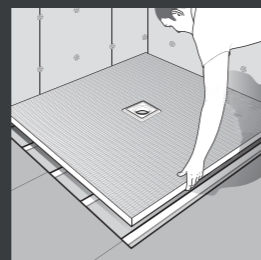


fig 7

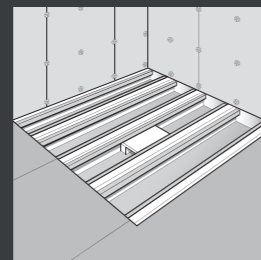


fig 3

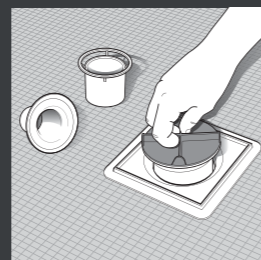


fig 8

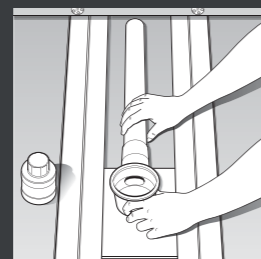


fig 4

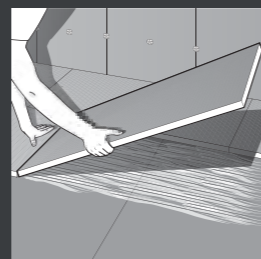


fig 9

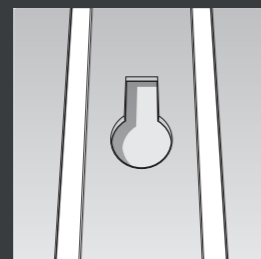
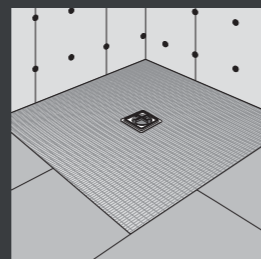


fig 5



complete shower tray

## Fixing Guide Shower Trays Solid Floors

**1** Cut a channel deep enough to take a BS standard 50mm pipe along the floor from the position of the drain body to a suitable exit point. **See fig 1.**

**See fig 1.**

**2** The cut-out for the drain body needs to be 200mm square and 80mm deep. **See fig 2.**

**3** Connect the drain body to the 50mm outlet with solvent weld in the usual way. We recommend that you use the plastic cap (as illustrated in fig 6) at this stage as a means to prevent dirt entering the drain body. (Always check for leaks before final installation of the Dukkaboard shower tray). **See fig 3.**

**4** Install the connected drain body and pipe into the channel and support with mortar at the correct height and fall. (The top of the drain body including the washer should be level with the surrounding floor). **See fig 4.**

**5** Using a 10mm notched trowel apply the cement-based, flexible tile adhesive to the floor and lay the tray in place using a tamping motion to ensure no voids remain under the tray. **See fig 5.**

**6** Using the plastic cap, screw the upper section of the drain body into the lower section through the tray. Care should be taken not to disturb the tray, but realign if necessary. **See fig 6.**

**7** Build up the surrounding floor area with the correct thickness of Dukkaboard as required using flexible, cement-based tile adhesive. **See fig 7.**



fig 1

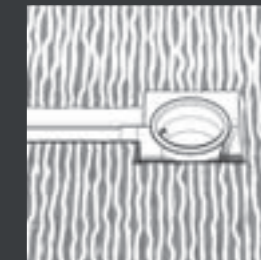


fig 5

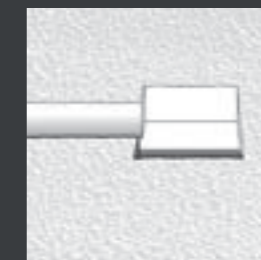


fig 2

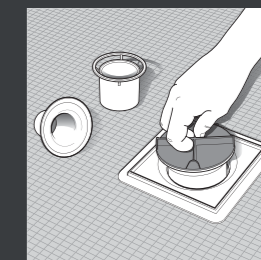


fig 6

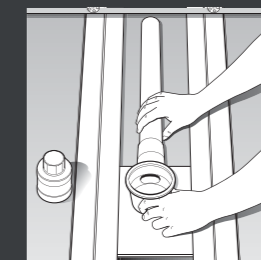


fig 3

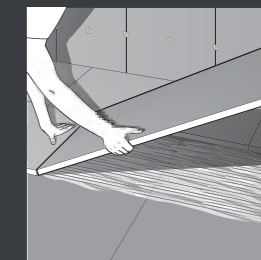


fig 7

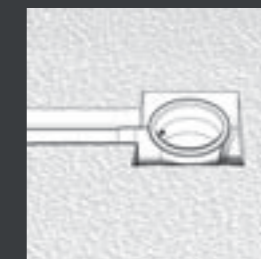
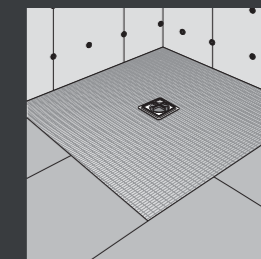


fig 4



complete shower tray

**Confidence through quality**

To underline the supreme quality of the Dukkaboard range of products, Dukkaboard comes with a 25 year warranty on all system installations that have been carried out in accordance with the Dukkaboard installation guidelines.



## Dukkaboard Key Features

### Moisture and rot proof

Dukkaboard is a fully waterproof system that creates the perfect solution for bathrooms, showers and wetrooms.



### Exceptional stability

Dukkaboard eliminates the common causes of tile failure associated with Plasterboard, MDF, Chipboard and Plywood.



### High thermal insulation

Dukkaboard panels and shower trays substantially reduce heat loss therefore are a great solution for use with underfloor heating.



### Lightweight and workable

Easier and faster to work with than all other types of building board.



### Replaces wet finishes

Can be used in place of floor screeds and rendered or plastered wall finishes, fast-tracking tiling and saving costs.



### Unlimited Creativity

Dukkaboard products allow creative freedom when constructing features and structures.



### 25 Year Guarantee

Dukkaboard comes with a 25 year warranty on all system installations that have been carried out in accordance with the Dukkaboard installation guidelines.



### Dedicated Technical Support

Dukkaboard is supported by The Knowledge Network – Offering technical information, support and installation guides.



### Cost Effective Solution

Inexpensive to buy, fast to install.





Dukkaboard®



## The Knowledge Network

Technical information, support and installation guides from the expert team at Dukkaboard



### How to Guides

A series of step by step installation guides for a wide range of tiling and waterproofing projects.

The Knowledge Network features a dedicated helpline for additional technical information and support.



### Online Support

A series of step by step installation guides are available online, for a wide range of tiling and waterproofing projects.

The Knowledge Network features a dedicated helpline for additional technical information and support.

