TEKWARM ROOFDEK BOARD

A FLAT ROOF INSULATED DECKING BOARD

Description

An 6mm Plywood bonded to a PIR board (Thermal Conductivity 0.022 W/mk). Tekwarm Roofdek Board is for the thermal insulation of flat roofs. The board size is 2400mm x 1200mm (nominal), and the product is available as follows:

Insulation Thickness mm	R value (M^2K/W)	Approximate KG per Board	Nominal Overall Thickness mm
50	2.327	14.70	56
75	3.463	17.06	81
100	4.599	19.41	106
120	5.509	21.29	126

The following notes are for general guidance only; and your consideration should be given to the design requirements of the local and National Building Regulations to achieve the required thermal performance at the time of installation.

Handling

Care should be taken with regards to the manual handling of these products to avoid any strains. If necessary, a risk assessment should be conducted to comply with any site-specific conditions and requirements. Boards should be stored flat in dry conditions preferably inside.

Limitations of Usage

Tekwarm Loft Boards are not designed for use in unrestrained applications and should always be secured with mechanical fixings into the supporting joists. Generally, joists are not designed to support large loadings, and as such consideration should be given to the levels of load to be imposed. Seek an engineer's expert advice if your intended usage is to be for anything other than limited maintenance foot traffic.

Fire

Plywood has a class D or E combustibility. PIR boards contain a flame retardant additive.

Ozone Depletion Potential (ODP)

Zero

Global Warming Potential

<5

Health & Safety

See separate data sheet

Tekfloor ltd
Unit 1 Power Park, Commercial
Road Goldthorpe Industrial
Estate Rotherham, S63 9BL

WWW.TEKFLOOR.CO.UK
Sales: 01709 261 007

Physical Properties

Density (foam) 32kg/m3

Compressive Strength (foam) ≥150 @ 10% Compression

Installation Guide

The supporting joists should be of sufficient dimensions to provide adequate support for the intended usage, with the Tekwarm boards been laid transversally to the minimum 50mm joists. The joists providing support at either end should provide a minimum of 20mm of edge support to each Roofdeck board.

Roofdek boards should span the intermediate joists at a maximum of 400mm centres, and all edges should be fully supported.

Tekwarm Roofdek boards should be secured down with low profile screws of sufficient length to provide a minimum of 35mm of embedment through the Roofdek board into the supporting joists.

Fixings at 200mm centres around the board perimeter should be used; at no more than 50mm centres from any corner. Intermediate fixings into the supporting joists should be at a maximum 300mm centres. Care should be taken not to overdrive the screws into the plywood surface.

The waterproofing medium over the boards should be installed immediately upon completion of the Tekwarm Roofdek, which should not be left exposed to the elements.

Design consideration should be considered under the requirements of BS 4841: Part 3 and those demanded by your chosen membrane manufacturer's conditions of use.

Falls within the system design should provide for the adequate runoff of rainwater from the roof ensuring that ponding does not occur.

Tekfloor ltd
Unit 1 Power Park, Commercial
Road Goldthorpe Industrial
Estate Rotherham, S63 9BL

WWW.TEKFLOOR.CO.UK
Sales: 01709 261 007