

JACKODUR® KF FT/FTR/FTS

XPS for industrial applications.

JACKODUR® KF for industrial applications meets all the requirements of a high-quality core material.

Product characteristics:

- Milled surface
- superb thermal insulation
- Outstanding bonding properties
- Can be cut to size
- Dimensionally stable
- Low tolerances

Applications:

- Sandwich elements
- Door panels
- Motorhomes and caravans
- Refrigerated vehicles, special-purpose vehicles
- Individual cut to size



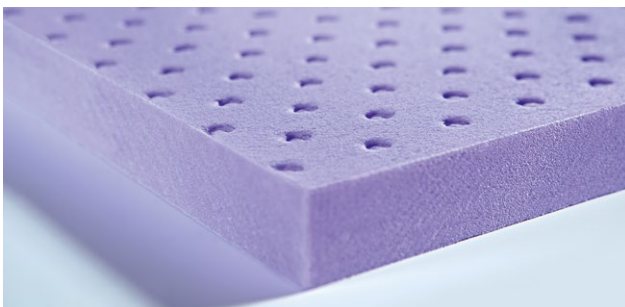
JACKODUR® KF FT

JACKODUR® KF close-tolerance boards (FT) are manufactured in a special production process with precise, variable tolerances in the width, length, and above all thickness of the boards, depending on the application's requirements. Following manufacture, the surface is milled to create a flat surface, which is key in motorhome and caravan construction.



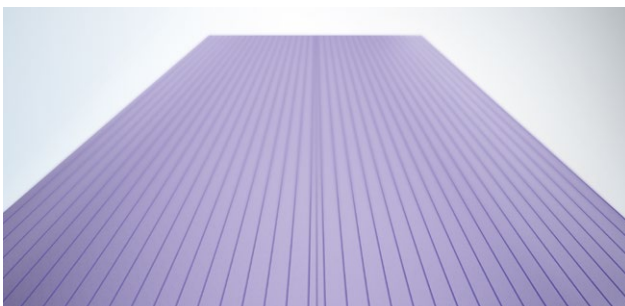
JACKODUR® KF FTR

JACKODUR® KF close-tolerance boards with grooves (FTR) were developed to further improve the mechanical properties. The surface of the material is milled and grooves cut into it. The grooves are spaced 40 mm apart on both sides of the board and have an optimised depth and breadth of 2 mm.



JACKODUR® KF FTS

The embossed surface provides increased shear strength. The embossing also ensures that the end product has an even surface.



JACKODUR® KF FT / FTR extra-wide

New: Production of extra-wide boards in formats of up to 1,500 mm x 4,000 mm thanks to longitudinal edge welding.

Product overview JACKODUR® KF FT / FTR / FTS

Dimensions			Compressive strength at 10 % deformation			Tolerances ^③				Thermal conductivity
Thickness	Width ^②	Length	KF 300	KF 500	KF 700 ^①	Thickness	Width	Length	Rectangularity	Nominal λ_D
EN 823	EN 822	EN 822	EN 826	EN 826	EN 826					EN 13164
[mm]	[mm]	[mm]	[kPa]	[kPa]	[kPa]	[mm]	[mm]	[mm]	[mm/m]	[W/(m·K)]
> 15 - 20	450 - 900	1000 - 4000	> 200	-	-	±0.15	±1 ≥ 1000 ± 2.5	± 5 ≥ 3000 ± 10	≤ 5	0.034 ≤ 60 mm 0.037 > 60 mm
> 20 - 30	450 - 1500		> 200	-	-					
> 30 - 37.5	450 - 1500		> 300	-	-					
> 37.5 - 45	450 - 1500		> 300	> 500	-					
> 45 - 80	450 - 1500		> 300	> 500	> 700					
> 80 - 160	500 - 1000		> 300	> 500	> 700					

	Properties	Unit	Standard	Value
Characteristic values	Application temperature	-	°C	-50 / +75
	Fire behaviour	EN 13501-1	-	Euroclass E
	Water absorption on long-term immersion	EN 12087	Vol.-%	≤ 1.0
	Vapour diffusion-equivalent air layer thickness	EN 12086	m	3 - 16
	Dimensional stability at 70 °C and 90 % relative humidity ^②	EN 1604	%	≤ 5
	Tensile strength	EN 1607	kPa	≥ 600
	Bulk density	EN 1602	kg/m³	≥ 30
	Thermal expansion coefficient	-	mm/(m·K)	0.07
	E-Modul, typisch	DIN EN 1602	kg/m³	>10 (≤37,5 mm) / >15 (≥37,5 mm)
	Dichte, typisch	DIN EN 826	N/mm²	> 35
Chemical resistance	Water / seawater / saline solutions / alcohols / liquefied inorganic gases / bases / weak and diluted acids / bitumen / water-based cold bitumen / lime / cement / gypsum / sand			
Properties of XPS	Homogenous, closed cell, highly compression proof, elastic, water repellent, resistant to environmental degradation, non-ageing, non-UV resistant			
Bonding technique	e.g. adhesion with solvent-free hot-melt, epoxy and polyurethane adhesives			
Cutting technique	XPS can be worked with milling cutters, saws, hot wires, blades and cutters			

① Dimensional limitations

② Longitudinally welded, depending on the configuration

③ The tolerances listed can be specified as plus-or-minus values or as an individual aggregate

Find important information for your planning at www.jackon-insulation.co.uk

- Approvals and certificates
- Processing instructions
- Safety data sheet

JACKODUR® KF provides all of the proven properties of XPS thermal insulation: the material has good compressive strength, is dimensionally stable, does not react to moisture, and is rot-resistant.



Free of HBCD flame retardants, chlorofluorocarbons (CFCs) and propellants containing HCFCs and HFCs.

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