

JACKODUR® Plus FT/FTR/FTS^② technical data



Dimensions ^①			Mechanical properties				Tolerances				Thermal conductivity
Thickness	Width	Length	Compressive strength at 10 % deformation			Tensile strength	Thickness	Width	Length	Rectangularity	λ
EN 823 [mm]	EN 822 [mm]	EN 822 [mm]	DIN EN 826 [> 300 kPa]	DIN EN 826 [> 500 kPa]	DIN EN 826 [> 700 kPa]	DIN EN 1607 [kPa]	[mm]	[mm]	[mm]	[mm/m]	EN 12667 [W/(m·K)]
> 14 - 20	450 - 1005	1200 - 4000	✓	✗	✗	≥ 600 ^③	± 0,15 ^④	±1 ≥ 1000 ^④ ± 2,5	± 10 ≥ 3000 ^④ ± 15	≤ 5	0,027
> 20 - 30	450 - 1510		✓	✗	✗						
> 30 - 40	450 - 1510		✓	✓	✗						
> 40 - 80	450 - 1510		✓	✓	✓ ^①						
> 80 - 240	500 - 1000	1000 - 3000	✓	✓	✗						

Values	Property	Standard	Unit	Value
Characteristic values	Application temperature	-	°C	-50 / +75
	Reaction to fire	EN 11925-2	-	E
	Water absorption on long-term immersion	EN 12087	Vol.-%	≤ 1,0
	Vapour diffusion-equivalent air layer thickness	DIN EN 12086	m	3 - 16 ^①
	Dimensional stability at 70 °C and 90% relative humidity	EN 1604	%	≤ 5
	Thermal expansion coefficient	-	mm/(m*K)	0,07
	E-modul, typical	DIN EN 826	N/mm²	> 10 (≤37,5 mm) > 15 (≥37,5 mm)
	Gross density, typical	EN 1602	kg/m³	> 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	closed cell, highly compression proof, flexible, water repellent, rot-proof, 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	Processing XPS with milling, sawing, glow wires, cutting, shearing			

- ① Restrictions in the dimensions
- ② depending on thickness
- ③ dependent on the compressive strength
- ④ the specified tolerances can be defined as plus or minus values or as an individual composition

Disclaimer
The information in this publication is based on our current knowledge and experience. It does not constitute a warranty in the legal sense. The specific conditions of the application must always be taken into account, particularly with regard to building physics, building technology and building law.

Status 04/2025



Free of HBCD flame retardants, chloro-fluorocarbons (CFCs) and propellants containing HCFCs and HFCs.



100% recyclable

You can find more information at www.jackon-insulation.com

- Safety data sheet
- EPD

JACKODUR® Plus offers all the tried and tested properties; the material is compression proof, dimensionally stable, and moisture and rot resistant.