

JACKODUR® KF 500 Standard

The proven insulation for very high loads.

JACKODUR® KF (climate-friendly) is a high quality thermal insulation made of extruded polystyrene foam (XPS) according to EN 13164. It has good compressive strength, is dimensionally stable, does not react to moisture, and is rot-resistant. This insulation has a compressive strength of 500 kPa for very high load applications.

Benefits:

- Very high compressive strength of 500 kPa
- Water resistant
- Available in thicknesses from 20 mm to 320 mm
- Secure single layer installation up to 320 mm

Especially well-suited for:

- Inverted roofs (paving or parking decks)
- Under screed insulation
- Under slab insulation
- Basement perimeter walls



Technical data JACKODUR® KF 500 Standard

Properties	Declaration / Unit	Standard	JACKODUR® KF 500 Standard															
			40	50	60	80	100	120	140	160	180	200	220	240	260	280	300	320
Thickness	mm		40	50	60	80	100	120	140	160	180	200	220	240	260	280	300	320
Nominal thermal conductivity λ_D	W/(m·K)	EN 13164	0.034						0.035									
Thermal resistance R_D	m ² ·K/W	EN 13164	1.15	1.45	1.75	2.25	2.85	3.40	4.00	4.55	5.10	5.70	6.25	6.85	7.40	8.00	8.55	9.10
Water vapour diffusion resistance factor μ		EN 12086	170	150	140	130	160	160	160	160	160	160	160	160	160	160	160	160
Long term water absorption by diffusion, WD(V)	vol %	EN 12088	≤ 3						≤ 2						≤ 1			
Compressive stress at 10% deformation or compressive strength	kPa	EN 826	500															
Permanent compressive strength, creep (50 years, compression < 2%)	kPa	EN 1606	180															
Reaction to fire	Euroclass	EN 13501-1	E															
Long term water absorption by total immersion, WL(T)	vol %	EN 12087	≤ 0.7															
Freeze-thaw resistance, FTCD	vol %	EN 12091	--	≤ 1														
Dimensional stability at 70°C and 90% relative humidity, DS(70/90)	%	EN 1604	≤ 5															
Deformation under 40 kPa load and 70°C, DLT(2)5	%	EN 1605	≤ 5															
Working temperature range	°C		-50 to +75															
Capillarity			none															
Surface finish			smooth															
Edge profile			shiplap															

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.

