

JACKODUR® KF 700 Standard

The proven insulation for extremely 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 700 kPa for extremely high load applications.

Benefits:

- Very high compressive strength of 700 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 700 Standard

Properties	Declaration/ Unit	Standard	JACKODUR® KF 700 Standard														
			50	60	80	100	120	140	160	180	200	220	240	260	280	300	320
Thickness	mm		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					0.036						
Thermal resistance R_D	m ² ·K/W	EN 13164	1.45	1.75	2.25	2.85	3.40	4.00	4.55	5.10	5.55	6.10	6.65	7.20	7.75	8.30	8.85
Water vapour diffusion resistance factor μ		EN 12086	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											700				
Permanent compressive strength, creep (50 years, compression < 2%)	kPa	EN 1606											250				
Reaction to fire	Euro-class	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	--														
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.

