

# JACKODUR® KF 300 Standard

The proven application for a broad range of applications.

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. These properties make JACKODUR® KF suitable for use in many different construction applications.

## Benefits:

- High compressive strength
- 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 (gravel, paving and green roofs)
- Under screed insulation
- Under slab insulation
- Basement perimeter walls
- Cavity wall insulation



# Technical data JACKODUR® KF 300 Standard

Properties	Declaration / Unit	Standard	JACKODUR® KF 300 Standard																	
			20	30	40	50	60	80	100	120	140	160	180	200	220	240	260	280	300	320
Thickness	mm		20	30	40	50	60	80	100	120	140	160	180	200	220	240	260	280	300	320
Nominal thermal conductivity $\lambda_D$	W/(m·K)	EN 13164	0.034				0.035				0.036									
Thermal resistance $R_D$	m <sup>2</sup> ·K/W	EN 13164	0.55	0.85	1.15	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 $\mu$		EN 12086	250	200	160	140	130	120	140	140	140	140	140	140	140	140	140	140	140	140
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	200				300													
Permanent compressive strength, creep (50 years, compression < 2%)	kPa	EN 1606	--				130													
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	--				≤ 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			smooth edge, shiplap																	

Find important information for your planning at [www.jackon-insulation.co.uk](http://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.

