

# JACKODUR® KF 300 Standard NF

Larger insulation boards for shorter installation time.

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:

- 2500 mm long boards reduces installation time
- Additional security from tongue and groove edge design
- High compressive strength
- Available in thicknesses from 20 mm to 120 mm
- Secure single layer installation up to 120 mm

## Especially well-suited for:

- Over rafter insulation
- External basement wall insulation
- Cavity wall insulation
- Under screed insulation



# Technical data JACKODUR® KF 300 Standard NF

Properties	Declaration / Unit	Standard	JACKODUR® KF 300 Standard NF					
Thickness	mm		40	50	60	80	100	120
Nominal thermal conductivity $\lambda_D$	W/(m·K)	EN 13164	0.034			0.035		
Thermal resistance $R_D$	m <sup>2</sup> ·K/W	EN 13164	1.15	1.45	1.75	2.25	2.85	3.40
Water vapour diffusion resistance factor $\mu$		EN 12086	160	140	130	120	140	140
Long term water absorption by diffusion, WD(V)	vol %	EN 12088	≤ 3			≤ 2		
Compressive stress at 10% deformation or compressive strength	kPa	EN 826	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	≤ 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			tongue-and-groove					

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.

