

JACKODUR® Plus 300 Standard

Extremely high insulation properties allowing extremely low installation heights.

The high-performance insulation material JACKODUR® Plus is made of extruded polystyrene foam (XPS). It features outstanding insulation characteristics with $\lambda_D = 0.027 \text{ W/(m}\cdot\text{K)}$, thereby promoting sustainable and energy-efficient building design.

Benefits:

- Best XPS lambda value
- 25% more insulation for same build height
- 25% less build height for same insulation value
- High compressive strength
- Water resistant
- Available in thicknesses from 50 mm 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® Plus 300 Standard

Properties	Declaration / Unit	Standard	JACKODUR® Plus 300 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	0.027														
Thermal resistance R_D	m ² ·K/W	EN 13164	1.85	2.20	2.95	3.70	4.40	5.15	5.90	6.65	7.40	8.10	8.85	9.60	10.35	11.10	11.85
Water vapour diffusion resistance factor μ		EN 12086	140	130	120	110	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	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	≤ 1														
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.

