

JACKODUR® Plus 300 Standard

$\lambda_D = 0,027 \text{ W/(m}\cdot\text{K)}$



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% less build height for same insulation value
- High compressive strength
- Water resistant
- Available in thicknesses from 50 mm to 400 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	Spec / unit	Standard	JACKODUR® Plus 300 Standard																		
Thickness	mm		50	60	80	100	120	140	160	180	200	220	240	260	280	300	320	340	360	380	400
Nominal thermal conductivity λ _D	W/(m·K)	EN 13164	0,027																		
Thermal resistance R _D	m²·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	12,55	13,30	14,05	14,80
Water vapour diffusion resistance factor μ		EN 12086	140	130	120	110	140	140	140	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	300																		
Reaction to fire	Euro-class	EN 13501-1	E																		
Long term water absorption by immersion, WL(T)	Vol.-%	EN 12087	≤ 0,7																		
Freeze-thaw cycle durability, FTCD	Vol.-%	EN 12091	≤ 1																		
Dimensional stability at 70°C and 90% rel. humidity, DS(70/90)	%	EN 1604	≤ 5																		
Deformation under 40 kPa pressure at 70°C temperature, DLT(2)5	%	EN 1605	≤ 5																		
Maximum working temperature	°C		-50 to +75																		
Capillarity			none																		
Surface			skin																		
Edge definition			shiplap																		

Find important information for your planning at www.jackon-insulation.com

- Approvals and certificates
- Processing instructions
- Safety data sheet

JACKODUR® Plus offers all the proven properties of XPS thermal insulation: the material is compression proof, dimensionally stable, and moisture and rot resistant.



Free of HBCD flame retardants, chlorofluorocarbons (CFCs) and propellants containing HCFCs.



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