JACKODUR® EVO 300 Standard

Excellent insulation properties
λ_D = 0.032 W/(m·K) for every thickness

The evolution of the multilayer board.

JACKODUR® EVO is the new generation of thermal insulation made of extruded polystyrene foam (XPS). The manufacture of these load bearing insulation boards is environmentally friendly and their cell content is air. This thermal insulation is characterised by unrivalled durability and extremely easy handling. The insulation boards are manufactured with multilayer technology ensuring they can be laid securely and quickly in a single layer of up to 400 mm thickness.

Benefits:

- High Performance Insulation with 0.032 W/(m·K)
- Environmentally-friendly production
- Thicknesses 40 - 400 mm
- Installed quickly and securely in a single-layer

Ideal for:

- Insulation under floor slabs
- Basement retaining walls
- Inverted roofs (green or with gravel)
- Insulation beneath screed
- Cavity insulation

www.jackon-insulation.com

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Technical data JACKODUR® EVO

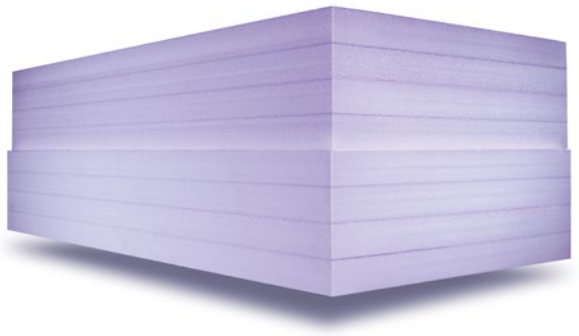
Properties	Spec / unit	Standard	JACKODUR® EVO 300 Standard																			
Thickness	mm		40	50	60	80	100	120	140	160	180	200	220	240	260	280	300	320	340	360	380	400
Nominal value, thermal conductivity λ_D	W/(m·K)	EN 13164	0,032																			
Thermal resistance R_D	m²·K/W	EN 13164	1,25	1,55	1,95	2,50	3,10	3,75	4,35	5,00	5,60	6,25	6,85	7,50	8,10	8,75	9,35	10,00	10,60	11,25	11,85	12,50
Vapour diffusion resistance factor μ		EN 12086	160	140	130	120	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140
Water absorption through diffusion, WD(V)	vol %	EN 12088	≤ 3																			
Permanent compressive strength creep behaviour (50 years, compression < 2%)	kPa	EN 826	300																			
Compressive creep (50 years, deformation < 2%)	kPa	EN 1606	-																			
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																			
Application temperature limits	°C		-50 to +75																			
Capillarity			none																			
Surface quality			smooth																			
Edge definition			shiplap																			

The design thermal conductivity for inverted roof including moisture correction factor, of the boards, is 0.034 W/(m·K) for thicknesses ≥ 80 mm. For thicknesses under 80 mm 0.035 W/(m·K).

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

- Approvals and certificates
- Processing instructions
- Safety data sheet

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



JACKODUR FREE HBCD CFC HCFC

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

CE

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