JACKODUR®

Inverted roof insulation system.

JACKODUR is a top-quality thermal insulation material made of extruded polystyrene foam (XPS) – compression proof, dimensionally stable, and closed cell and therefore moisture and rot resistant.
Inverted roof system with thermal insulation and filter layer.

Benefits:

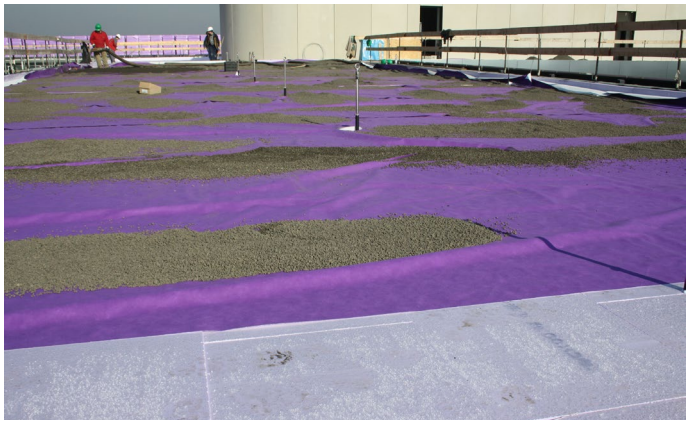
- Approved as inverted roof thermal insulation system
- Compressive strength 300 kN/m²
- Secure single-layer installation up to 320 mm
- Time and cost-saving installation

Inverted roof insulation:

- Gravelled
- Green
- As a plus roof

Green roof insulation

Gravelled inverted- roof insulation



JACKODUR® KF 300
λ_D = 0.034 W/(m•K)*
* depends on thickness

JACKODUR® Plus 300
λ_D = 0.027 W/(m•K)

JACKODUR® Filter layer WA
approved to ETAG 031
for inverted roofs

Find information for your planning also at:
www.jackon-insulation.co.uk

JACKON INSULATION

Technical data

Properties	Declaration/ Unit	Standard	JACKODUR® KF 300																
Thickness	mm		20	30	40	50	60	80	100	120	140	160	180	200	220	240	260	280	300	320
Thermal conductivity λ_D	W/(m·K)	EN 13164	0.034					0.035						0.036						
Thermal conductivity including moisture correction factor	W/(m·K)		0.036					0.037						0.038						
Compressive stress at 10% deformation or compressive strength	kPa	EN 826	200	300																
Compressive creep (50 years, deformation < 2%)	kPa	EN 1606	--	130																
Reaction to fire	Class	EN 13501-1	E																	
Maximum working temperature	°C		-50 - +75																	
Capillarity			none																	
Surface			skin																	
Possible edge profiles			shoplap																	

Properties	Declaration/ Unit	Standard	JACKODUR® Plus 300																	
Thickness	mm		50	60	80	100	120	140	160	180	200	220	240	260	280	300	320	280	300	320
Thermal conductivity λ_D	W/(m·K)	EN 13164	0.027																	
Thermal conductivity including moisture correction factor	W/(m·K)		0.028																	
Compressive stress at 10% deformation or compressive strength	kPa	EN 826	300																	
Compressive creep (50 years, deformation < 2%)	kPa	EN 1606	130																	
Reaction to fire	Class	EN 13501-1	E																	
Maximum working temperature	°C		-50 - +75																	
Capillarity			none																	
Surface			skin																	
Possible edge profiles			shoplap																	

Properties	Declaration/ Unit	Standard	JACKODUR® Filter layer WA
Length of roll	m		100
Width of roll	m		3.0
Fabric weight	g/m²	EN 964	100
Weight of roll	kg		30.00
Value Sd	m	DIN EN ISO 12572	0.04
Determination of resistance to water penetration		DIN EN 20811	waterproof up to >150 cm
Tear-out force	longitudinal	EN 29073-3	210 N / 5 cm
	transversal	EN 29073-3	145 N / 5 cm
Determination of tensile strengh and elongation	longitudinal	EN 29073-3	80%
	longitudinal	EN 29073-3	85%
Flexibility at low temperature		DIN EN 13859-1	no crack at -40°C

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