HOYLAKE
member of eurotec group

TECHNONICOL CARBON PROF 300

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CE

Description:

Extruded polystyrene TECHNONICOL CARBON ECO is a heat insulation material with uniformly distributed closed cells which does not absorb water, doesn't swell and shrink, is chemical resistant and is not subject to rotting. High strength allows to get smooth and rigid base, which significantly increases the lifetime of the entire heat insulation system.

Application areas:

Extruded polystyrene TECHNONICOL CARBON PROF 300 is an up–to–date heat insulating material widely used in building and construction while arranging heat protection of the basement, roofs, floors, facades, heat insulation of railways and highways.

Storage:

TECHNONICOL CARBON PROF 300 slabs should be stored sorted by dimensions, in a dry closed place, horizontally in piles at a distance of not less than 1 m from heaters. Slabs on pallets or linings should be stored under an awning protecting them against atmospheric precipitation and sunlight.

Product technical data:

Characteristics	TECHNONICOL CARBON PROF 300	
Density, kg/m^3	30.1 - 38.0	
Compressive strength at 10% linear deformation, kPa	300	
Dimensional stability 70°C; 90 % r. h, %	≤ 5	
Long term water absorption by immersion, %	≤ 0.7	
Long term water absorption by diffusion, %	≤ 3	
Heat conductivity: Thickness, mm	R_D, m^2*K/W	λ_D, W/(m*K)
50	1.428	0.034
60	1.714	
80	2.286	
Temperature range for normal operation, °C	from -70 to +75	
Reaction to fire, Euroclass	E	
Dimensions		
Length, mm	1180 - 4500 (±15)	
Width, mm	580 ±2	
Thickness, mm	50, 60, 80 (±2)	

The stated data are valid at the time of publication. TechnoNICOL is entitled to change these data without prior notice.