

## TECHNONICOL CARBON PROF 300

### Description:

Extruded polystyrene TECHNOMICOL 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 TECHNOMICOL 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 <sup>3</sup>	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:	$R_D, m^2 \cdot K/W$	$\lambda_D, W/(m \cdot K)$
Thickness, mm		0.034
50	1.428	
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.