

## TECHNONICOL CARBON ECO

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Test Report  
# 75 37 00962/2014



### 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 ECO is designed for heat insulation of basements and cellars, heated floors, floors on the ground, insulation of cold bridges in panel construction.

### Storage:

TECHNONICOL CARBON ECO 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 ECO	
Density, kg/m <sup>3</sup>	29.0 – 32.0	
Compressive strength at 10% linear deformation, kPa	200	
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 <sup>2</sup> *K/W	$\lambda_D$ , W/( m*K)
Thickness, mm		0.034
20	0.571	
30	0.857	
	40	1.143
Temperature range for normal operation, °C	from -70 to +75	
Reaction to fire, Euroclass	E	
Dimensions		
Length, mm	1180-5400 ( < 3000mm ±10; >3000mm ±15)	
Width, mm	580 ±2	
Thickness, mm	20, 30, 40 (±2)	

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