

**DECLARATION OF PERFORMANCE**  
**Nr.XPS/003/CE/2020****1. Unique identification code of the product-type:**TECHNONICOL CARBON SOLID 500  
d= 50, 100 mm

"F" (facade) - in the presence of surface topography on both sides of the board;  
"D" (drainage) - in the presence of drainage channels on the surface of one side board;  
Symbol plates supplemented with the words " SLOPE " with the designation of an appropriate slope in %

**2. Intended use/es:**

Heat-insulating cellular polystyrene extruded boards TECHNOMICOL CARBON SOLID 500 are used for industrial, civil and transport engineering as heat-insulation of building constructions in the temperature range of -70 to +75°C.

**3. Manufacturer:**

«TechnoNICOL-Severo-zapad» Ltd.  
2-d Vertikalniy proezd, uchastok 11, korpus 1  
d.Annolovo, Tosnenskiy rayon  
Leningradskay oblast  
Russia, 187021  
Tel.: +7 (812) 416 35 01

**4. Authorised representative:**

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**5. System/s of AVCP:**

System 3

**6a. Harmonised standard:**

EN 13164:2012+A1:2015

**Notified body/ies:**

№ 1023. Institute of tests and certification, PLC  
Institut pro testování a certifikaci, a.s.  
třída Tomáše Bati 299, Louky  
763 02 Zlín  
Česká republika/Czech Republic  
tel/phone: + 420 577 601 541

## 7. Declared performance:

### E-XPS-EN 13164-T1-CS(10)500-DS(TH)-WL(T)0.7-WD(V)3

	Essential characteristics	Test method	Unit of measurement	Properties	Harmonized technical specification
1	Thermal conductivity, $\lambda_D$	EN 12667	W/m <sup>2</sup> K	50 mm - 0.032 100 mm - 0.034	EN 13164:2012+ A1:2015
2	Thermal resistance, $R_D$	EN 12667	m <sup>2</sup> *K/W	50 mm - 1.55 100 mm - 2.90	
3	Thickness, class T1	EN 823	mm	50, 100	
4	Width	EN 822	mm	580, 600	
5	Length	EN 822	mm	1180, 1200, 1250, 2380, 4000	
6	Reaction to fire, Euroclass	EN 13501-1	-----	Class E	
7	Compressive stress under 10% deformation, CS(10)	EN 826	kPa	≥ 500	
8	Long term water absorption by immersion, WL(T)	EN 12087	%	≤ 0.7	
9	Long term water absorption by diffusion, WD(V)	EN12088	%	≤ 3.0	
10	Dimensional stability, DS(TH)	EN 1604	%	Relative change of length, width and thickness not exceeding 5%	

## 8. Appropriate Technical Documentation and/or Specific Technical Documentation:

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Kuznetsov I.

General Director, «TechnoNICOL-Severo-zapad» Ltd.

Annolovo  
09.06.2020

