

**DECLARATION OF PERFORMANCE**  
**No. XPS/003/CE/2020****1. Unique identification code of the product-type:****TECHNICOL CARBON SOLID 500**

d= 50, 100 mm

"F" (facade) - the presence of coarse surface on both sides of the board;

"SLOPE" - boards designated for appropriate slope formation in %

**2. Intended use/es:**

Extruded polystyrene boards TECHNICAL CARBON SOLID 500 are used in industrial, civil and transport engineering as thermal-insulation of building constructions in the temperature range -70 - +75°C

**3. Manufacturer:**FLLC "Roofing plant TechnoNIKOL",  
Chapaeva, 11, Osipovichi 213760,  
Republic of Belarus  
Tel: +375 2235 61000**4. Authorised representative:****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.: + 420 577601541

**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:

Edemsky O.Y.

Production director, FLLC "Roofing plant TechnoNIKOL"

Osipovich, 01.06.2020

