



**Declaration of Performance  
No. 7/2019/CPR/XPS**

**1. Unique identification code of the product type:**

XPS -EN 13164 -T3- CS(10Y)150- CC(2/1,9/10)100-DS(70,90)-DLT(2)5- WL(T)0,7-WD(V)3-FTCD1  
PENOPLEX<sup>®</sup> OSNOVA, PENOPLEX<sup>®</sup> BASE

**2. Intended use:**

Products are used as thermal insulation. Product applications are specified in the web site [www.penoplex.ru](http://www.penoplex.ru)

**3. Manufacturer:**

PENOPLEX SPb, Ltd. Branch in Kirishi, sil. Enthusiastov 36, 187110, Kirishi, Leningrad Region, Russian Federation.

**4. Authorized representative:**

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**5. System of AVCP**

System 3

**6. Harmonized standard:**

EN 13164:2012 + A1:2015

**Notified body:**

NB 1020:

Technický a zkušební ústav stavební Praha, s.p. (Technical and Test Institute for Construction Prague)  
Prosecká 811/76a, 190 00 Praha 9 – Prosek, Czech Republic

**7. Ilmoitetut suoritusastot:**

Essential characteristics			Performance	Harmonised technical specifications	
Reaction to fire		Class	E	EN 13164: 2012 + A1:2015	
Glowing combustion		No harmonized methods defined yet	NPD		
Acoustic absorption index		-	NPD		
Dimensional tolerances		T	3		
Thermal resistance and thermal conductivity	Declared thermal conductivity $\lambda_D$ [ W/m <sup>2</sup> *K ]	Nominal thickness dN [mm]	Declared thermal resistance RD [ m <sup>2</sup> *K/W ]		
			20		0,59
			30		0,88
			40		1,18
			50		1,47
60	1,76				
Compressive strength	Compressive strength or Compressive Stress at 10% deformation	CS(10Y)	150 kPa		
Compressive creep	Compressive creep after relative deformation 10 years on 2 %	CC (2/1,9/10)	100 kPa		



Tensile strength	Tensile strength perpendicular to faces	TR	NPD
Water permeability	Long term water absorption	WL(T)0,7	≤ 0,7 [Vol.-%]
	Long term water absorption by diffusion	WD(V)3	≤ 3 [Vol.-%]
Water vapour permeability	Water vapour diffusion resistance factor	MU	NPD
Durability of reaction to fire against heat, weathering, ageing/degradation	Reaction to fire of XPS products does not change with time		
Durability of thermal resistance against heat, weathering, ageing/degradation/ freeze thaw	Dimensional stability under specified conditions 70°C; 90%r.h.	DS	(70,90)
	Deformation under specified compressive load of 40 kPa and temperature conditions at 70°C	DLT	(2)5
	Freeze-thaw resistance after long term water absorption by diffusion	FTCD	1
	Freeze-thaw resistance after long term water absorption by total immersion	FTCI	NPD
Dangerous substances	Release of dangerous substances to the indoor environment		

EN 13164: 2012  
+ A1:2015

**NPD= No Performance Determined**

Safety data sheet: <http://old.penoplex.ru/en/documents/>

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

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

**9. Signed for and on behalf of the manufacturer by:**

Alexander Belov, Deputy of General Director of sales, Penoplex SPb Ltd.  
Russia, Saint-Petersburg, April 2019