HIRSCH® Porozell

Declaration of Performance
No. 25.5-XPS RG -2023

1. Unique identification code of the product-type: **XPS RG fireproof extruded polystyrene with rough surface**
   XPS RG 20 mm–XPS – EN 13164 – T2– CS(10 \Y)200 –TR200 – WL(T)1,5– DS(70,-)5 –FTCI1
   XPS RG 30 mm–XPS – EN 13164 – T2– CS(10 \Y)300 –TR200 – WL(T)1,5– DS(70,-)5 –FTCI1
   XPS RG 40 mm–XPS – EN 13164 – T2– CS(10 \Y)300 –TR200 – WL(T)1,5– DS(70,-)5 –FTCI1
   XPS RG 50 mm–XPS – EN 13164 – T2– CS(10 \Y)300 –TR200 – WL(T)1,5– DS(70,-)5 –FTCI1
2. Intended use: Thermal insulation of the buildings
3. Manufacturer: **HIRSCH Porozell S.R.L., RO-Rascruci nr.368A, Jud. Cluj**
   tel. + 40 (0)264-207181 / fax. + 40 (0)264-207190; e-mail office.cluj@hirsch-gruppe.com
4. Authorized representative: not applicable
5. System of assessment and verification of constancy of performance: **system 3**
6. Harmonized standard: Harmonized standard: **SR EN 13164+A1:2015**
   Notified Body: **Identification No 1803**
7. Declared performance:

Essential Characteristics		**Declared Performance**	**Harmonized technical specification**
Thermal resistance: - Thermal resistance - R_D		20 mm – 0,59 m²K/W 30 mm – 0,86 m²K/W 40 mm – 1,14 m²K/W 50 mm – 1,43 m²K/W	SR EN 13164+A1 :2015
- Thermal conductivity - λ_D		20 mm – 0,034 W/(mK) 30 ÷ 50 mm – 0,035 W/(mK)	
- Thickness - d_N		20 ÷ 50 mm T2	
Reaction to fire		E	
Resistance to fire after heating, bad weather, ageing/damage exposure.	Durability characteristics	NPD	
Durability of resistance to fire after heating, bad weather, ageing, and damage exposure.	Thermal resistance and thermal conductivity	R_D 0,59 – 1,43 m²K/W λ_D 0,034 – 0,035 W/(mK)	
	Dimensional stability under specified conditions, 70°C, %	≤ 5 % DS(70,-)5	
	Freeze-thaw resistance	≤ 1 % FTCI1	
Compression resistance	Compressive stress or compression resistance	20 mm CS ≥ 200 KPa CS(10\Y)200 30 ÷ 50 mm CS ≥300 KPa CS(10\Y)300	
Stretching resistance	Stretching resistance perpendicular on sides	TR ≥ 200 KPa TR200	
Durability of compression resistance after ageing and damage	Compression creep	NPD	
Water permeability	Long term water absorption by complete immersion	≤ 1,5 % WL(T)1,5	
	Long term water absorption by diffusion	NPD	
Water vapour permeability	Water vapour transmission	Z 0,015 – 0,018[mg/Pa.h.m]	
Emission of hazardous substances to indoor environment	Emission of hazardous substances	NDP	
Continuous incandescent combustion	Continuous incandescent combustion	NDP	

NPD – no declared performance

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.

Signed for and on behalf of the manufacturer by:
Eng. Schweitzer Marius, General Managing .....
Tunari, Sos. de Centura nr. 10, jud. Ilfov 01.02.2024