



BAUFOAM 150

DECLARATION OF PERFORMANCE

OT 1506/2021/CPR/XPS Version no. 1

1. UNIQUE IDENTIFICATION CODE OF THE PRODUCT-TYPE:

XPS – EN 13164 – T1 – CS(10\Y)150 – WL(T)0,7 BAUFOAM 150

2. INTENDED USE:

Thermal insulation for buildings (ThIB)

3. MANUFACTURER:

**ORANGE TOWER SRL, str. A. Bernardazzi, 19, mun. Ungheni,
or. Ungheni, Republica Moldova**

4. AUTHORIZED REPRESENTATIVE:

Not relevant

5. SYSTEM OF AVCP:

System 3

6. HARMONIZED STANDARD:

SM EN 13164:2014 + A1:2016

7. NOTIFIED BODY:

**No. 1434: POLSKIE CENTRUM BADAN I CERTYFIKACJI S.A.
(Polish Centre for Testing and Certification),
Jakuba Wejhera str.18a, 80-346, Gdańsk, Poland**

bauf foam.com



8. DECLARED PERFORMANCE OF BAUFOAM 150

ESSENTIAL CHARACTERISTICS		PERFORMANCE	HARMONIZED TECHNICAL SPECIFICATIONS
Reaction to fire		Euroclass	F
Glowing combustion		No harmonized methods defined yet	NPD
Dimensional tolerances		Class	T1
Thermal resistance and thermal conductivity	Declared thermal conductivity λ_D [W/m·K]	Nominal thickness d_N [mm]	Declared thermal resistance R_D [m ² ·K/W]
	0,034	20	0,55
	0,034	30	0,85
	0,034	40	1,15
	0,034	50	1,45
	0,034	60	1,75
	0,034	80	2,35
	0,034	100	2,90
	0,035	120	3,40
	0,035	150	4,25
Compressive strength	Compressive strength or Compressive Stress at 10% deformation	CS(10\Y)	CS(10\Y)150 (≥150 kPa)
Compressive creep	Compressive creep after relative deformation 10 years on 2%	CC(2/1,8/10)	NPD
Tensile strength	Tensile strength perpendicular to faces	TR	NPD
Water permeability	Long term water absorption	WL(T)	WL(T)0,7 (≤ 0,7 [Vol.-%])
	Long term water absorption by diffusion	WD(V)	NPD
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/freezing thaw	Dimensional stability under specified conditions 70°C; 90% r.h.	DS	NPD
	Deformation under specified compressive load of 40 kPa and temperature conditions at 70°C	DLT	NPD
	Freeze-thaw resistance after long term water absorption by diffusion	FTCD	NPD
	Freeze-thaw resistance after long term water absorption by total immersion	FTCI	NPD
Dangerous substances	Release of dangerous substances to the indoor environment	—	—

SM EN 13164:2014 + A1:2016

NPD = No Performance Determined

9. 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:
Vasily Deli, Director, ORANGE TOWER SRL.
 Republica Moldova, Ungheni, 01 August 2021