DECLARATION OF PERFORMANCE

N° GXC315084

1. Unique identification code of the product-type
a) XPS -EN 13164-T1-CS(10\Y)300-DLT(2)5-DS(70,90)-WL(T)0,7-WD(V)3-FTCD1-TR200-CC(2/1,5/50)120-MU150
b) XPS -EN 13164-T1-CS(10\Y)250-DLT(2)5-DS(70,90)-WL(T)0,7-WD(V)5-FTCD1-TR200-MU150

2. Type:
a) GEMATHERM XC3 (50-300 mm)
b) GEMATHERM XC3 (30-40 mm)

3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification:
EN 13164:2015 - Thermal Insulation for Buildings

4. Name and contact address of the manufacturer::
Sirap Insulation S.r.l.
Via Kennedy 54 - 25028 Verolanuova (BS) - Italy

5. System of assessment and verification of constancy of performance of the construction product: System 3

6. Name and identification number of notified body: FIW (n° 751)

7. Essential characteristics (EN 13164)		**Symbol**	**Performance**
Dimensional tolerances		T	1
Compressive strength		CS(10\Y)	a) 300 (≥ 300 kPa) b) 250 (≥ 250 kPa)
Tensile strength perpendicular to faces		TR	200 (≥ 200 kPa)
Reaction to fire		Euroclass	E
Continuous glowing combustion		NPD	
Acoustic absorption index		NPD	
Water permeability	Long term water absorption by total immersion	WL(T)	0,7 (≤ 0,7 vol.%)
	Long term water absorption by diffusion	WD(V)	a) 3 (≤ 3 vol. %) b) 5 (≤ 5 vol. %)
Water vapor transmission	Water vapor diffusion resistance factor	MU	150
Durability of compressive strength against ageing/degradation	Compressive creep	CC (2/1,5/50)	a) 120 b) NPD
Durability of reaction to fire against heat, weathering, ageing/degradation	The reaction to fire performance of XPS does not change with time		
Thermal resistance and thermal conductivity		see under R_D and λ_D	
Durability of thermal resistance against heat, weathering, ageing/degradation	Freeze-thaw resistance after long term water diffusion test	FTCD	1 (≤ 1 vol. %)
	Freeze/thaw resistance after long term water absorption by total immersion	FTCI	NPD
	Dimensional stability under specified temperature and humidity conditions	DS	(70,90) (≤ 5 %)
	Deformation under specified compressive load and temperature conditions	DLT	(2)5 (≤ 5 %)

Thickness – dN [mm]	30	40	50	60	70	80	90	100	120	140	160	180	200	220	240	260	280	300
Thermal resistance - R_D [(m^2·K)/W	0,90	1,20	1,45	1,75	1,95	2,25	2,50	2,80	3,35	3,85	4,40	5,00	5,55	6,10	6,65	7,20	7,75	8,30
Thermal conductivity - λ_D [W/(m·K)]	0,033		0,034		0,036													

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 7. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

8. Signed for and on behalf of the manufacturer by

Claudio Marconi

General Director

01/08/2015

Soprema Group
Sirap Insulation