

# Technical datasheet

## Isover ClimaBac



### DESCRIPTION

Slab made by using high density, crimped, water repellent mineral insulation G3. Made in Italy with at least 80% of recycled glass and with a new generation of thermo-hardening resin that associates organic and vegetal components and minimizes emissions of pollutant substances, like formaldehyde and others volatile organic compounds (VOC).

### APPLICATION

Thermal and acoustic insulation of pitched and flat roofs and Etics system

### BENEFITS

- Compression resistance
- Dimensional stability in case of temperature and humidity variation
- Thermal and acoustic insulation
- Good fire reaction
- Water vapour transpiration

### STORAGE

The product must be stocked inside, in ventilated areas and away from heat sources.

Parameter	Value	Unit	Norm	CE marking
Declared thermal conductivity $\lambda_D$	0,037	W/(m·K)	EN 12667	CE
Reaction to fire class ClimaBac G3	A2-s1,d0	-	EN 13501-1	CE
Water vapour resistance factor $\mu$	1	-	EN 12086	CE
Water absorption in short period	$\leq 1$	kg/m <sup>2</sup>	EN 1609	CE
Compression resistance at 10% deformation thickness 30 mm	$> 30$	kPa	EN 826	
Compression resistance at 10% deformation thicknesses 40 + 140 mm	$> 40$	kPa	EN 826	
Point load compressive resistance thicknesses 30 + 60 mm	$> 400$	N	EN 12430	
Point load compressive resistance thicknesses 60 + 140 mm	$> 500$	N	EN 12430	
Tensile strength perpendicular to faces	$> 10$	kPa	EN 1607	
Dimensional tolerance: length	$\pm 2\%$	%	EN 822	CE
Dimensional tolerance: width	$\pm 1,5\%$	%	EN 822	CE
Dimensional tolerance: thickness	T2	mm	EN 823	CE
Squareness	$\leq 5$	mm/m	EN 824	CE
Flatness	$\leq 6$	mm	EN 825	CE
Dimensional stability	$\leq 1$	%	EN 1604	CE
Specific heat	1.030	J/Kg·K	EN 12524	
Air flow resistivity	34	kPa·s/m <sup>2</sup>	EN 29053	

Thickness (mm)	Declared thermal resistance $R_D$ (m <sup>2</sup> K/W) ClimaBac G3	Dimensions (m) ClimaBac G3	m <sup>2</sup> /pallet ClimaBac G3
40	1,05	0,60 x 1,20	43,20
50	1,35	0,60 x 1,20	34,56
60	1,60	0,60 x 1,20	28,80
80	2,15	0,60 x 1,20	21,60
100	2,70	0,60 x 1,20	17,28
120	3,20	0,60 x 1,20	12,96
140	3,75	0,60 x 1,20	12,96

CODE: STC 288  
REVISION: 00  
DATE: March 2016

As for the CE marking, this insulating product complies with the "Regulation (EU) No. 305/2011 of the European Parliament and of the Council of 9 March 2011 laying down harmonized conditions for the marketing of construction products and repealing Council Directive 89/106 / EEC, seen and accepted the "GENERAL RULES FOR REGULATION (EU) No 305/2011, CONSTRUCTION PRODUCTS (CPR) "(Doc. 016\_13 current revision) CSI SPA, according to standards EN 13162 and EN 13172. the reference certificate is no. 0497/CPR/5232 Rev1.

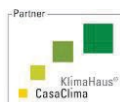
The EC data on this tab are those required for the thermal insulation of buildings by EN 13162: 2012 + A1: 2015 and common to all applications.

The quality management system of Saint-Gobain PPC Italy S.p.A. is certified according to UNI EN ISO 9001: 2008. The environmental management system is certified according to UNI EN ISO 14001: 2004. The management system for the protection of Safety and Health Workers is certified to OHSAS18001: 2007.

The data indicated in this statement, except those required by the CE mark, are not exhaustive and Saint-Gobain PPC Italy S.p.A. may, without special attention, change them.

The execution of the supplies shall be subject to our production capability.

Saint-Gobain PPC Italy S.p.A. It reserves the right to make at any time and without notice of any kind, and halt production.



Isover Saint-Gobain è socio ordinario del GBC Italia



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