DECLARATION OF PERFORMANCE

In compliance with n° 305/2011 the Construction Products Regulation

DoP nr 510 INSULSAFE 33

1. Unique identification code of the product-type:
   510 INSULSAFE 33

2. Intended use:
   Thermal insulation for buildings (ThIB)

3. Producer:
   Registered trade: SAINT-GOBAIN PPC ITALIA S.p.A.
   Via Ettore Romagnoli, 6- 20146 Milano

   Address of the manufacturer: Via Donizetti 32/34- 24043 Vidalengo di Caravaggio (Bg)

   www.isover.it

4. Mandatory:
   Not applicable

5. System or systems of assessment and verification of constancy of performance:
   AVCP System 1 for reaction to fire
   AVCP System 3 for other characteristics

6. a/Harmonized standard:
   EN 14064-1:2010

   Notified body
   Istituto Giordano n° 0407
   performed the determination of the product-type on the basis of type testing (including sampling):
   i) initial inspection of the manufacturing plant and of factory production control
   ii) continuous surveillance, assessment and evaluation of factory production control

   b/ European evaluation document: *Not applicable*
   Technical evaluation: *Not applicable*
   Technical evaluation body: *Not applicable*
   Notified body: *Not applicable*

7. Declared performance:

Essential characteristics		Performance	Harmonized Standard
Reaction to fire Euroclass Characteristics	Reaction to fire	A1	EN 14064-1:2010
Release of dangerous substances to the indoor environment	Release of dangerous substance	(a)	
Acoustic absorption index	Sound absorption	NPD	
Thermal resistance	Thermal Conductivity	Density 15 Kg/m³ → $\lambda = 0.041$ W/(m·K) Density 25 Kg/m³ → $\lambda = 0.035$ W/(m·K) Density 30 Kg/m³ → $\lambda = 0.033$ W/(m·K)	
	Thickness	See performance chart (Annex 1)	
Water permeability	Short term water absorption	WS	
Water vapour permeability	Water vapour transmision	MU1	
Continous glowing combustion	Continous glowing combustion	NPD	
Durability of reaction to fire against ageing / degradation		(b)	
Durability of thermal resistance against ageing/degradation	Thermal conductivity	(c)	
	Settlement	S1	

NPD **N**o **P**erformance **D**etermined

(a) Within the limits established by Articles 31 and 33 of Reg. (EC) 1907/2006 and by the rules of the Member State which the product is placed.

(b) The fire performance of mineral wool does not detoriate with time. The Euroclass classification of the product is related to the organic content, which cannot increase with time.

(c) Thermal conductivity of mineral wool products does not change with time, experience has shown the fiber structure is stable and the porosity contains atmospheric air.

8. Appropriate technical documentation and / or specific technical documentation
Not applicable

The performance of the product identified above is in conformity to all the performance features. This declaration of responsibility is issued, in accordance with Regulation (EU) no. 305/2011, under only responsibility of the manufacturer identified above

Signed for and on behalf of the manufacturer by:

Silvio Dardi
Plant Manager Isover

Vidalengo, 04/03/2019

Annex 1

Cavity wall: declared thermal conductivity λ_D = 0.033 W/(m.K)

Cavity width mm	**Declared thermal resistance level** R_D (m^2.K/W)	**Minimum bag usage rate** Bags per 100m^2
50	1,5	8,7
60	1,8	10,4
70	2,1	12,1
80	2,4	13,9
90	2,7	15,6
100	3,0	17,3
150	4,5	26,0
200	6,1	34,7
250	7,6	43,4
300	9,1	52,0

Cavity wall: declared thermal conductivity λ_D = 0.035 W/(m.K)

Cavity width mm	**Declared thermal resistance level** R_D (m^2.K/W)	**Minimum bag usage rate** Bags per 100m^2
50	1,4	7,2
60	1,7	8,7
70	2,0	10,1
80	2,3	11,6
90	2,6	13,0
100	2,9	14,5
150	4,3	21,7
200	5,7	28,9
250	7,1	36,1
300	8,6	43,4

Annex 1

Loft: declared thermal conductivity λ_D = 0.041 W/(m.K)

Declared thermal resistance level R_D (m^2.K/W)	**Thickness after settlement** mm	**Minimum installed thickness (before settlement)** mm	**Minimum coverage** kg/m^2	**Minimum bag usage rate** bags per 100 m^2
4,00	164	170	2,6	14,7
4,50	185	190	2,9	16,5
5,00	205	210	3,2	18,2
5,50	226	230	3,5	19,9
6,00	246	250	3,8	21,7
6,50	267	270	4,1	23,4
7,00	287	290	4,4	25,1
7,50	308	315	4,8	27,3
8,00	328	335	5,1	29,0
8,50	349	355	5,4	30,8
9,00	369	375	5,7	32,5
9,50	390	395	6,0	34,2
10,00	410	415	6,3	36,0