

# Declaration of Performance for ISOVER glass wool



## DoP Number

Unique identification code of the product type;  
Product name(s)

**SE001-32-A1-1**

G-32-A1;  
Cavity Wall Slab 32,  
FrameBatt 32

Type, batch or serial number

See product label

Intended use or uses of the construction product

Thermal insulation for buildings (ThIB)

Name, registered trade name and contact address of the manufacturer

Saint-Gobain ISOVER AB  
SE-26782 Billesholm

System or systems of assessment and verification of constancy of performance of the construction product

System 1 and system 3

AVCP System 1 for fire reaction  
AVCP System 3 for other characteristics

Identification number and name of the notified body

0402 - SP Technical Research Institute of Sweden

0402 - SP Technical Research Institute of Sweden performed the determination of the product type, the initial inspection of the manufacturing plant and of factory production control, the continuous surveillance, assessment and evaluation of factory production control according to system 1 and system 3 and issued the performance constancy certificate 0402-CPD-SC1312-11.

Harmonised standard

EN 13162:2012

## Declared performance

Essential characteristics	Performance	Abbreviation	Unit	Declared performance
Reaction to fire	Reaction to fire	RtF	Euroclass	A1
Release of Dangerous Substances	Release of Dangerous Substances			Method not yet available
Acoustic absorption index	Sound absorption			NPD
Impact Noise Transmission Index	Dynamic stiffness	s'	MN/m <sup>3</sup>	NPD
	Thickness	d <sub>L</sub>	mm	NPD
	Compressibility	c	mm	NPD
	Air flow resistivity	AF <sub>r</sub>	kPa.s/m <sup>2</sup>	NPD
Direct airborne sound insulation index	Air flow resistivity	AF <sub>r</sub>	kPa.s/m <sup>2</sup>	NPD
Continous glowing combustion	Continous glowing combustion			Method not yet available
Thermal Resistance	Thermal Resistance	R <sub>D</sub>	m <sup>2</sup> K/W	see attached table
	Thermal Conductivity	λ <sub>D</sub>	W/m K	0,032
	Thickness	d <sub>N</sub>	mm	45-150
	Thickness Class	T	Class	T4
Water Permeability	Short term Water absorption	W <sub>p</sub>	kg/m <sup>2</sup>	<1
	Long term water absorption	W <sub>lp</sub>	kg/m <sup>2</sup>	NPD
Water vapour permeability	Water vapour diffusion resistance factor	μ	-	1
Compressive strength	Compressive stress or compressive strength	CS(10)	kPa	NPD
	Point Load	F <sub>p</sub>	N	NPD
Durability of reaction to fire against heat, weathering, ageing/degradation	Reaction to fire	RtF	Euroclass	a)
Durability of thermal resistance against heat, weathering, ageing/degradation	Thermal Resistance	R	m <sup>2</sup> K/W	a)
	Thermal Conductivity	λ	W/m K	a)
	Durability Characteristics	DS(70,90)	mm	NPD
Tensile/Flexural strength	Tensile Strength perpendicular to faces	TR	kPa	a)
Durability of compressive strength against heat, weathering, ageing/degradation	Compressive creep	Xct, Xt	mm	NPD

a) The performance of glass wool does not change with time.

The performance of the product type is in conformity with the declared performance

Name

Birgitta Rydén

Function

Product manager

Place

Billesholm

Date

12-06-2013

Signature

Standard Product Range

Thermal Resistance

Acoustic absorption index

Thickness	R <sub>D</sub>	
mm	m <sup>2</sup> K/W	
90	2,80	NPD
125	3,90	NPD
140	4,35	NPD
150	4,65	NPD