

1	Unique identification code of the product-type	S01 01
	Product/s:	Isover HARDSIL
2	Intended use or uses:	Thermal insulation for buildings (ThIB)
3	Manufacturer:	Saint - Gobain Construction Product CZ a.s. Smrčkova 2485/4, 180 00 Prague 8 – Libeň Czech Republic IČO: 25029673, DIČ: CZ 25029673
4	Authorised representative:	not relevant
5	System/s of AVCP:	System 1 System 3
6	Notified body/ies:	1023 Institut pro testování a certifikaci a.s.
	Harmonised standard:	EN 13162:2012+A1:2015

Essential characteristics	Performance		Unit	Declared performance
Reaction to fire	Reaction to fire	RtF	Euroclass	A1
Release of Dangerous Substances	Release of Dangerous Substances	-	-	NPD
Acoustic absorption index	Sound absorption	-	-	NPD
Impact Noise Transmission Index	Dynamic stiffness	s'	MN/m ³	NPD
	Thickness	d _L	mm	NPD
	Compressibility	c	mm	NPD
	Air flow resistivity	AF _r	kPa.s/m ²	NPD
Direct airborne sound insulation index	Air flow resistivity	AF _r	kPa.s/m ²	NPD
Continuous glowing combustion	Continuous glowing combustion	-	-	NPD
Thermal Resistance	Thermal Resistance	R _D	m ² K/W	a)
	Thermal Conductivity	λ _D	W/m K	0,035
	Thickness	d _N	mm	50-140
	Thickness Class	T	Class	T4
Water Permeability	Short term Water absorption	W _p	kg/m ²	NPD
	Long term water absorption	W _{lp}	kg/m ²	NPD
Water vapour permeability	Water vapour transmission	MU	-	1
Compressive strength	Compressive stress or compressive strength	CS	kPa	NPD
	Point Load	F _p	N	NPD
Durability of reaction to fire against heat, weathering, ageing/degradation	Reaction to fire	RtF	Euroclass	A1
Durability of thermal resistance against heat, weathering, ageing/degradation	Thermal Resistance	R	m ² K/W	a)
	Thermal Conductivity	λ	W/m K	0,035
	Durability Characteristics	d	mm	NPD
Tensile/Flexural strength	Tensile Strength perpendicular to faces	TR	kPa	NPD
Durability of compressive strength against heat, weathering, ageing/degradation	Compressive creep	Xct, Xt	mm	NPD

a) The parameter R is valid for the thickness of the product, range of thickness and thermal resistance - see Table 2 or product data sheet on the web www.isover.cz

Table 2

Označení	Tloušťka (mm)	Rozměry (mm)	Balení (m ²)	Deklarovaný tepelný odpor R _D (m ² ·K·W ⁻¹)
Isover HARDSIL 5	50	1200 x 600	7,20	1,45
Isover HARDSIL 6	60	1200 x 600	5,76	1,75
Isover HARDSIL 8	80	1200 x 600	4,32	2,35
Isover HARDSIL 10	100	1200 x 600	3,60	2,95
Isover HARDSIL 12	120	1200 x 600	2,88	3,55
Isover HARDSIL 14	140	1200 x 600	2,16	4,15

Specification code:

MW-EN 13162-T4-DS(70,-)-MU1

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued by the Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above. Declaration of cut products Isover TRV is derived from the declared parameters of this product.

Jiří Šulák
Name
Plant director
Function



Signature

Častolovice
Place
1.9.2021
Date

ISOVER
SAINT-GOBAIN

e-mail: info@isover.cz, www.isover.cz