



# TECH Slab 2.1 V2

## Acoustic Insulation of Industrial Machinery and Equipment

Semi-rigid stonewool panel with a black gauze on one side. Good acoustic absorption and mechanical handling. Thermal Insulation and Acoustic Absorption for: • Metal ceilings with and without access hatches. • Screens, Cabins and Engine Rooms. • Silencers, acoustic baffles, mufflers etc...

### Technical properties

Symbol	Parameter	Icon	Units	Value	Standard	
WS	Short-term water absorption		kg/m <sup>2</sup>	< 1	EN 1609	
MU	Water vapour diffusion, μ		—	1	EN 14303	
—	Reaction to fire		Euroclases	A1	EN 13501-1	
DS	Dimensional stability		%	< 1	EN 1604	
ST(+)	Usage temperature limit	—	°C	300	EN 14706	
λ	Thermal conductivity					
	Temp.* (°C)	50	100	150	200	300
	λ (W/m·K)	0,043	0,053	0,066	0,082	0,124
—	Durability characteristics					
The reaction to fire behaviour and thermal resistance of this product will not vary with time nor if subjected to the maximum specified temperature.						

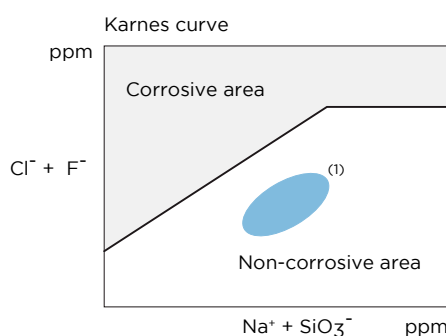
\*Average insulation temperature. According to the EN 12667 Standard.

### Presentation

Thickness d (mm)	Length l (m)	Width b (m)	m <sup>2</sup> /pack	m <sup>2</sup> /pallet	m <sup>2</sup> /truck
40	1,20	0,60	11,52	92,16	2.028
50			8,64	69,12	1.521

### Steel corrosion

Non-corrosive. Based on ASTM C-795 & C-871.



Chemical analysis of the ions based on ASTM C-795 and C-871 standards show that ISOVER stonewool products do not cause corrosion to the steel as the relationship between  $Cl^- + F^-$  with respect to the  $Na^+ + SiO_3^-$  at the lower part of the Karnes Curve. (1) Position of the ISOVER mineral wools

### Acoustic Absorption

α Sabine absorption coefficient*							
Frequency		125	250	500	1000	2000	4000
Thickness (mm)	40	0,15	0,50	0,75	0,85	0,85	0,90
	50	0,20	0,55	0,80	0,85	0,85	0,90
	50*	0,35	0,80	0,85	0,95	1,00	1,00

(\*) with chamber or 250 mm plenum.

### Designation code

**TECH Slab 2.1 V2:** thickness 40mm:  
MW-EN 14303-T4-ST(+)+300-WS1-AW0,6

**TECH Slab 2.1 V2:** thickness 50mm:  
MW-EN 14303-T4-ST(+)+300-WS1-AW0,7

### Certificates



### Installation guide

Further information available at: [www.isover.es](http://www.isover.es)

- [www.isover.es](http://www.isover.es)
- [ISOVERblog.es](http://ISOVERblog.es)
- @ISOVERes
- ISOVERaislamiento
- ISOVERaislamiento
- ISOVERes
- ISOVER Aislamiento
- ISOVER Aislamiento



16-12-2018 • TECH Slab 2.1 V2 • ING • Saint Gobain Isover Ibérica, S.L. reserves the right to totally or partially change the information in this document without prior notification. The company cannot guarantee the absence of inadvertent errors.