



TECH Loose Wool HT/EX

Thermal and Acoustic Insulation and Lagging

Description

TECH Loose Wool HT: Loose stonewool, lightly impregnated with a mineral oil to facilitate handling.





TECH Loose Wool EX: Loose stonewool, 100% free of organic materials and mineral oils.

Applications

TECH Loose Wool HT: Thermal insulation for high-temperature use in Industrial Equipment, furnaces, valves, exhaust silencers and central heating boilers.

TECH Loose Wool EX: Thermal Insulation for Cryogenic Equipment and Risk Areas requiring products that are 100% free of organic materials and mineral oils.

Technical properties

Symbol	Parameter			Icon	Units	Value	Standard
WS	Short-term water absorption				kg/m ²	< 1	EN 1609
MU	Water vapour diffusion, μ				—	1	EN 14303
—	Reaction to fire				Euroclasses	A1	EN 13501-1
DS	Dimensional stability				%	< 1	EN 1604
ST(+)	Usage temperature limit TECH Loose Wool HT				°C	700	EN 14706
ST(+)	Usage temperature limit TECH Loose Wool EX:				°C	-200 to 700	EN 14706
λ	Thermal conductivity						
	Temp.* (°C)	50	100	150	200	300	400
	λ (W/m·K)	0,041	0,046	0,054	0,063	0,073	0,082
—	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.

Tap density

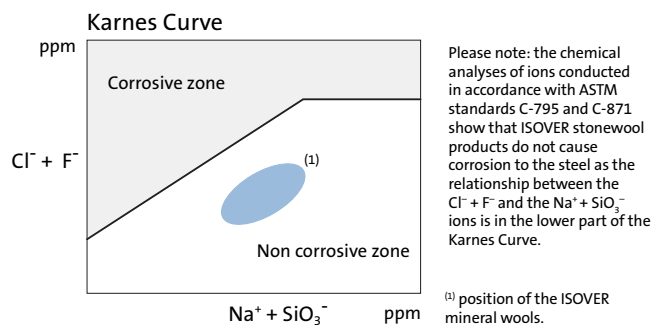
Insulation thickness (mm)	50	75	100	150
Number of sacks required to insulate				
Tap density: 100	—	$\frac{1}{3}$	—	$\frac{2}{3}$
Tap density: 150	$\frac{1}{3}$	—	$\frac{3}{4}$	—

Presentation

Polyethylene sacks	Kg/sack	Kg/pallet	Kg/truck
	20,00	400	10.400

Steel corrosion

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



Acoustic Absorption

α Sabine absorption coefficient*							
Frequency (Hz)	125	250	500	1000	2000	4000	
Thickness (mm)	70	0,42	0,82	0,93	0,91	0,99	0,98
	100	0,80	0,80	0,95	0,95	0,95	0,95

Certificates



Installation guide

Further information available at: www.isover.es