



TECH Loose Wool EX

Inorganic loose stone mineral wool for explosion risk industry applications

TECH Loose Wool EX is the lightly-bonded stone mineral wool roll with almost no organic content for insulation in explosion risk areas e.g. when in contact with liquid oxygen such as in cold boxes, air separation units etc. inline with application standards as AGI Q 118 and specifications of industrial gas providers e.g. Linde, Air Liquide, Air Products. The thermal performance will be dependent on the stuffing density and direction of the fibers towards the heat flow.



EXPLOSION RISK SOLUTION

Especially designed for use in explosion risk areas when in contact with liquid oxygen



HIGH SERVICE TEMPERATURES

Especially designed for high service temperatures up to 700°C



FIRE REACTION

Non-combustible, Euroclass A1 for effective fire protection on industry sites



HIGH FLEXIBILITY

Flexible to use non-bonded stone wool for filling of joints and dead spaces



IMPROVED LOGISTICS

Transport and storage savings with up to 80% more material per pallet than standard solutions



CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES									STANDARD
Thermal conductivity*	T	[°C]	-30	0	50	100	150	200	300	400	500	EN 12667
	λ	[W/(m·K)]	0.32	0.035	0.041	0.048	0.056	0.065	0.088	0.119	0.160	
Thermal behaviour	T	[°C]	Operating temperature range -200 °C until +700 °C									-

CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES				STANDARD
Specific thermal capacity	c	kJ/(kg·K)	1.03				ISO 10456
Reaction to fire	-	-	Non combustible; Euroclass A1				EN 13501-1
Water behaviour	WS	kg/m ²	No short term water absorption by partial immersion (WS1 ≤ 1 kg/m ²)				EN ISO 29767
Chemical behaviour	-	-	Do not contribute to corrosion of stainless steel Produced without addition of silicone				ASTM C795/871
Application field	-	-	Product for use in technical applications, such as inaccessible cavities, complicated confined surfaces or dead spaces				-
Material	-	-	Loose stone mineral wool without binder With quality marks EUCEB, unrisky regarding health according to regulation EC No 1272/2008 Note Q				CINI 2.2.04
Miscellaneous	-	-	Storage: Bags to be stored indoors in a dry and clean place away from source of humidity				AGI Q 132
Quality management	-	-	ISOVER is certified according to EN ISO 9001 and EN ISO 14001				EN ISO 9001/EN ISO 14001
Delivery form	-	-	Please contact your local ISOVER dealer				-

* Indicative values for a homogeneous density of around 100 kg/m³. Values may vary according to density and stuffing quality.



www.isover-technical-insulation.com

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SAINT-GOBAIN ISOVER · Tour Saint-Gobain 12 place de l'Iris 92096 La Défense cedex - France