



Isover U TECH Slab MT 5.0

High performance ULTIMATE slab for medium to high temperatures

ULTIMATE is an innovative next generation mineral wool which combines all the advantages of conventional thermal and acoustic insulation, with a top level fire classification.

Isover U TECH Slabs MT 5.0 are the efficient and sustainable alternative to standard industrial stone wool slabs. Designed to provide optimal thermal and acoustic performance at high temperatures up to 540°C - (see data below). The product is designed for industrial boilers, vessels, rectangular exhaust ducts and industrial equipment.



Features and Benefits



Thermal performance

Isover U TECH Slabs MT 5.0 meet UK thermal building regulations BS5422:2009 including those of energy saving and personnel protection thicknesses. Optimal insulation with up to 10% better thermal conductivity compared to traditional industry slabs.



Fire classification

Isover U TECH Slabs MT 5.0 have Euroclass A1 fire rating when classified with BS EN 13501-1.



Unique lightness

Isover U TECH Slabs MT 5.0 range of thicknesses are up to 45% lighter than traditional stone wool slabs.



Ease of installation

Isover U TECH Slabs MT 5.0 are lightweight, offer maximum flexibility and compressive strength, allowing fast and efficient installation.

Product Specification

Product code	Thickness (mm)	Width (mm)	Length (mm)	Pack area (m ²)	Packs per pallet	Pallet area (m ²)
5200615678	50	600	1200	5.76	12	69.12
5200674220	60	600	1200	4.32	12	51.84
5200615679	70	600	1200	3.60	12	43.20
5200615680	80	600	1200	3.60	12	43.20
5200615681	100	600	1200	2.88	12	34.56

Thermal Conductivity (to EN 12667)

Mean temp °C	50	100	200	300	400	500
Declared thermal conductivity (W/mK) to EN12667	0.035	0.041	0.057	0.078	0.104	0.138

Characteristic	Description
Application Fields	Product for use in specific technical insulation high temperature applications including industrial boilers, vessels, rectangular exhaust ducts and industrial equipment where improved thermal insulation and high efficiency are required.
Fire Classification	Euroclass A1 fire rating when classified with BS EN 13501-1.
Maximum Service Temperature	Tmax = 540°C under 500Pa under EN 14706. Note. From 150°C on the binder begins to volatilise. For specific installation details please contact Isover.
Chemical Resistance	U TECH Slab MT 5.0 will not accelerate corrosion with all copper, steel and aluminium plant and equipment. (See U TECH Slab DoP for specifics.) Trace quantities of water soluble ions. CL10 according to EN 13468.
Environmental Standards	All Isover products are manufactured under Environmental Management System - ISO 14001:2009.
Quality Standards	All Isover products are manufactured under Quality Management System - ISO 9001:2008.
Thickness Class	T4 (50-100mm).
Water Vapour Permeability	MU1.
Building Standards	Meets all UK thermal building regulations. Compliance with the following: England, Wales and Scotland BS5422: 2009. For Scotland, also refer to Technical Handbooks; Domestic Handbook 2010 and Non-Domestic Handbook 2010 & Sections 6 – Energy. For installation guidance follow BS 5970:2012.
ODP/GWP	GWP < 5 (Global Warming Potential).
Handling & Storage	Isover products are supplied fully palletised, offering the following benefits: <ul style="list-style-type: none"> • Weatherproof packaging for short term outside storage. • Reduced haulage costs. • Less handling therefore less damage. • Reduced storage space. • Packs remain clean and in good condition. • Faster loading, unloading and counting.
Certification	CE Marked to EN14303. CE Certificate 0751-CPR.2-003.0-07 Designation code: MW-EN 14303-T4-ST(+)-540-CL10 DoP can be found on www.isover.co.uk/dop
External Applications	Isover products are suitable for external applications when used with an appropriate weatherproof jacketing system.

www.isover.co.uk

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