






# TECH SA Slab 100

## High performance slabs for technical insulation

 **Excellent thermal insulation**  
Thermal insulation for service temperatures up to 750°C

 **Effective fire protection**  
TECH SA Slab is non-combustible and classified **A1** Euro-class Reaction to Fire

 **Good mechanical resistance**  
TECH SA Slab with a higher compressive strength is recommended. Alternatively, for less intense foot traffic without metal support





Characteristic	Symbol	Unit	Quantities and measured values							Standard
Description	KIMMCO ISOVER stone wool products are made from volcanic rock - a natural material present in large quantities throughout the earth. These raw materials are natural basalt and dolomite coming from Saudi Arabia, our product is compliance with <b>EN 14303</b> and <b>ASTM C612 type IVA &amp; IVB</b> standard.									
Thermal Conductivity	T	(°C)	50	100	200	300	400	500	600	EN 12 667 ISO 8301/ 8302
	λ	(W/m·K)	0.037	0.043	0.059	0.077	0.101	0.130	0.165	ASTM C177
Thickness	d	(mm)	30 - 200							EN 823 ASTM C303
Compressive Resistance at 10% Deformation	-	(KPa)	10- 50							ASTM C165
Reaction to Fire Classification	-	-	Non-combustible, class A1							EN 13 501-1 ASTM E136
Maximum Service Temp Maximum Use Temp	MST	(°C)	EN standard: 660 ASTM standard: 750							EN 14 706 ASTM C411 ASTM C447
Flame Spread	-	-	0							ASTM E84
Smoke Development	-	-	0							ASTM E84
Specific Thermal Capacity	C	(kJ/kg·K)	~ 1							EN 10 456 ASTM C518
Water Vapour Diffusion Resistance Factor	μ	-	~ 1							EN 12 086 ASTM E96
Chemical Behaviour	-	-	AS-Quality (chloride content ≤ 10 ppm) water repellent. Free of corrosion-supportive materials.							EN 13 468 AGI Q 132 ASTM C795
Shot Content	-	(%)	≤ 10% from the weight							ASTM C1335
Water Vapour Sorption	-	(%)	< 1 by weight							ASTM C1104
Miscellaneous Delivery Forms	Product are supplied in polyethylene packing. As mentioned in the MSDS product should be stored in dry condition.									

The technical information corresponds to our present state of knowledge and experience at the date of printing (see imprint). But no legal guarantee can be given, unless it has been explicitly agreed. The state of experience and knowledge is developing continuously. Please see to it that you always use the latest edition of this information. The described product applications do not take special circumstances in consideration. For further information, please contact our team. We deliver only according to our terms of trade and terms of delivery.

[www.siiimco.com.sa](http://www.siiimco.com.sa)