



TECH Tank Roof Slab 80 kPa

ISOVER Tank Roof Slab
80 kPa

High performance compressive strength stone wool slabs for the thermal, acoustic and fire protection insulation of industrial applications such as tank roofs.

TECH Tank Roof Slab 80 kPa is a rigid stone wool slab for industry applications requiring high mechanical resistance such as flat tank roofs or other equipment with a maximum service temperature of up to 720°C. It combines thermal and acoustic efficiency with high compressive strength performance.

TECH Tank Roof Slab 80 kPa is available with AS-Quality (Cl- ≤ 10 ppm) when in contact with austenitic steel structures. It was specifically designed to fulfill highly demanding requirements of Swedish standard SSG 7591 and CINI 2.2.01 usually used on multilayer systems for insulation of the storage tank roof insulation. The compressive strengths higher than 80 kPa, making it strong enough to withstand normal walking loads alone or combine with TECH Tank Roof 20 kPa (as a system) during installation and maintenance.



MECHANICAL RESISTANCE

Robust industry slab for optimal use in applications requiring high mechanical strength, e.g. by foot traffic



ENERGY EFFICIENCY

Thermal insulation performance at medium to higher service temperatures up to 720°C



HIGH SERVICE TEMPERATURES

Especially designed for high service temperatures up to 720°C



FIRE REACTION

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



SOUND ABSORPTION

Up to 95% of sound energy absorbed due to optimal longitudinal air flow resistance and uniform porosity values

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CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES									STANDARD
Thermal conductivity	T	[°C]	50	100	200	250	300	400	500	600	700	EN 12667 EN ISO 13787
	λ	[W/(m·K)]	0,044	0,049	0,061	0,068	0,076	0,096	0,119	0,146	0,183	
Thermal behaviour	T	[°C]	Maximum service temperature 720									EN 14706
Air flow resistivity	-	kPa.s.m ²	> 90									EN ISO 9053-1

CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES				STANDARD
Specific thermal capacity	c	kJ/(kg·K)	0.80				-
Reaction to fire	-	-	Non-combustible; Euroclass A1				EN 13501-1
Mechanical Properties	CS	kPa	Compressive strength at 10 % deformation CS(10)80				EN 826
Water behaviour	WS	kg/m ²	No short term water absorption by partial immersion (WS1)				EN ISO 29767
Chemical behaviour	-	-	AS-quality (Leachable Chloride ≤10ppm Leachable chloride content less than 10 ppm (CL10))				AGI Q 132 EN 13468
Application field	-	-	Product for use in technical applications, such as tanks and vessels, exhaust ducts and stacks or other equipment with need for good thermal and/or acoustic insulation at high process temperatures. The slab fulfil the requirements of SSG 7591 for storage tank roof insulation (compressive strength resistance 80kPa).				EN 14303 CINI 2.2.01 SSG 7591
Material	-	-	Stone mineral wool rigid board with quality marks EUCEB, unrisky regarding health according to regulation EC No 1272/2008 Note Q.				
Facing	-	-	On request: Slabs can be manufactured with white glass tissue facing (ISOVER FireProtect® 150F).				-
Miscellaneous	-	-	Designation code: MW-EN 14303-T5-ST(+)-720-CL10-WS1-CS(10)80				-
Quality management	-	-	CE-marked according to EN 14303; Isover is certified according to EN ISO 9001 and EN ISO 14001				EN 14303 EN ISO 9001 EN ISO 14001
Delivery form	-	-	Please contact your local ISOVER dealer Standard width Standard thickness range: 20 mm until 40 mm				-

DELIVERY FORM: STANDARD DIMENSIONS / PACKAGING INFORMATION*

THICKNESS [MM]	DIMENSIONS [MM]	M ² / PALLET	M ² / PACKAGE	PACKAGE / PALLET	SLABS/PACK
20	500 x 1000	60.00	5	12	10
40	500 x 1000	30.00	3	10	6



www.isover-technical-insulation.com

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. Please verify whether our products are appropriate for the concrete application. For further information please contact our Isover sales offices. We deliver only according to our terms of trade and terms of delivery.

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