



TECH Tank Roof Slab 20 kPa

ISOVER Tank Roof Slab
20 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 20 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 700°C. It combines premium thermal and acoustic efficiency with compressive strength performance. TECH Tank Roof Slab 20 kPa is available with AS-Quality (CI- ≤10ppm) when in contact with austenitic steel structures. TECH Tank Roof Slab 20 kPa was specifically designed to fulfill the requirements of Swedish standard SSG 7591 for insulation of the bottom layer of storage tank roof insulation (minimum compressive strength resistance 20 kPa) when used on multilayer systems (associated to TECH Tank Roof Slab 80 kPa) making them strong enough to withstand normal walking loads during installation and maintenance.

Thermal Efficiency Indicator

8. extra plus

7. extra

6. premium plus

5. premium

4. standard plus

3. standard

2. classic plus

1. classic

5.



MECHANICAL RESISTANCE

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



ENERGY EFFICIENCY

Premium thermal insulation performance at medium to higher service temperatures up to 700°C



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



SOUND ABSORPTION

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

TECH Tank Roof Slab 20 kPa



CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES									STANDARD
Thermal Conductivity	T	[°C]	50	100°C	200°C	250°C	300°C	400°C	500°C	600°C	700°C	EN 12667 EN ISO 13787
	λ	[W/(m•K)]	0,041	0,047	0,060	0,068	0,077	0,098	0,123	0,154	0,192	
Thermal behaviour	T	[°C]	Maximum service temperature 700									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)20									EN 826
Water behaviour	WS	kg/m ²	No short term water absorption by partial immersion (WS1 ≤ 1 kg/m2)									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 20kPa).									-
Material	-	-	Stone mineral wool rigid board with quality marks EUCEB, unrisky regarding health according to regulation EC No 1272/2008 Note Q.									-
Facing	-	-	Slabs can be manufactured with white glass tissue facing (ISOVER FireProtect® 150F).									-
Miscellaneous	-	-	Designation code : MW-EN 14303-T5-ST(+)700-CL10-WS1-CS(10)20									-
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: STANDARD DIMENSIONS / PACKAGING INFORMATION*							
THICKNESS [MM]	FREE SLABS ON A PALLET		PACKAGES ON A PALLET				
	Dimensions [mm]	m ² / Pallet	Dimensions [mm]	m ² / Pallet	m ² / Package	Package / Pallet	Slabs / Package
20	1000 x 1200	72.00	600 x 1200*	86.40	8.64	10	12
25	1000 x 1200	57.60					
30	1000 x 1200	48.00	600 x 1200*	60.48	5.04	12	7
35*	1000 x 1200	39.60					
40	1000 x 1200	36.00	600 x 1200*	43.20	4.32	10	6
50	1000 x 1200	28.80	600 x 1200*	34.56	2.88	12	4
60*	1000 x 1200	24.00	600 x 1200*	28.80	2.88	10	4
80*	1000 x 1200	19.20	600 x 1200	21.60	2.16	10	3
100*	1000 x 1200	14.40	600 x 1200	17.28	1.44	12	2

Slabs can be manufactured with white glass tissue facing (Isover FireProtect® 150F).

Other thicknesses and dimensions then stated can be produced at request when fulfilling minimum volume. Thickness tolerance: +1 mm.

* Minimal volume needs to be consulted with a producer.



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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