

# TECH Tank Roof Slab 60 kPa METAC FLP1 Duratec

## 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 60 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 680°C. It combines premium thermal and acoustic efficiency with high compressive strength performance. TECH Tank Roof Slab 60 kPa is available with AS-Quality (Cl- <=10ppm) when in contact with austenitic steel structures. TECH Tank Roof Slab 60 kPa was specifically designed to fulfill the highly demanding requirements of Swedish standard SSG 7591 and CINI (2.2.01) making it strong enough to withstand normal walking loads 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

Premium thermal insulation performance at medium to higher service temperatures up to 680 °C



### HIGH SERVICE TEMPERATURES

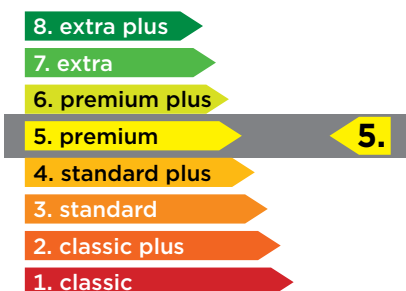
Especially designed for high service temperatures up to 680°C



### FIRE REACTION

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

### Thermal Efficiency Indicator



# TECH Tank Roof Slab 60 kPa



CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES									STANDARD
Thermal conductivity	T	[°C]	50	100	150	200	300	400	500	600	680	EN 12667 EN ISO 13787
	$\lambda$	[W/(m·K)]	0,042	0,047	0,053	0,062	0,084	0,112	0,147	0,189	0,228	
Thermal behaviour	T	[°C]	Maximum service temperature 700									EN 14706

CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES				STANDARD
Specific thermal capacity	c	kJ/(kg·K)	1.03				-
Reaction to fire	-	-	Non-combustible; Euroclass A1				EN 13501-1
Mechanical Properties	-	-	Compressive strength at 10 % deformation CS(10)60				EN 826
Water behaviour	-	-	No short term water absorption by partial immersion (WS1)				EN ISO 29767
Chemical behaviour	-	-	On request: AS-quality (Leachable chloride $\leq 10$ ppm) On request: 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 60kPa).				-
Material	-	-	Stone wool with quality marks EUCEB and RAL by the Gütegemeinschaft Mineralwolle e. V., unrisky regarding health according to German decree on dangerous substances, decree on prohibition of chemicals and to regulation EC No 1272/2008 Note Q.				-
Miscellaneous	-	-	Designation code: MW-EN 14303-T4-ST(+)+680-WS1-CS(10)60				-
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 D [MM]	WIDTH B [MM]	LENGTH [MM]	M <sup>2</sup> /PACK	M <sup>2</sup> /PALLET	SLABS/PACK	PACKS/PALLET
100	600	1200	1.44	17.28	-	12
120	600	1200	1.44	14.40	-	10
140	600	1200	1.44	11.52	-	8
80	600	1200	2.16	21.60	-	10

\* All dimensions require minimum order quantities / other dimensions on request.



### [www.isover-technical-insulation.com](http://www.isover-technical-insulation.com)

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