

# TECH Slab 3.0 G1

## Thermal and acoustic insulation. Sound absorption for industrial equipment

Compact glass wool panel which on one side features a black glass-fibre fabric that offers great resistance to abrasion and piercing.

Excellent acoustic absorption and mechanical handling for:

- Shielding of engines. • Compressors. • Industrial silencers. • Engine room.

### THERMAL INSULATION.



Standard thermal insulation performance for service temperatures up to 290°C

### SOUND INSULATION.



The ability of mineral wool to act as a spring results in reducing vibration and noise emissions in industrial processes.

### SOUND ABSORPTION.



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

### FAST INSTALLATION.



Flexibility, lightweight and compressibility helps to handle and install the product easier and faster.

### FIRE REACTION.



Non-combustible, Euroclass A2-s1, d0 for effective fire protection on industry sites.

### Thermal Efficiency Indicator

8. extra plus

7. extra

6. premium plus

5. premium

4. standard plus

3. standard

2. classic plus

1. classic

3.



CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES					STANDARD
Thermal conductivity	T	[°C]	50	100	150	200	300	EN 12667
	$\lambda$	[W/(m·K)]	0.038	0.047	0.058	0.070	0.102	

CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES								STANDARD
Frequency	$\alpha_p$	Hz	$\alpha_w$	125	250	500	1000	2000	4000	-	ISO 354 ISO 11654
Practical acoustic absorption coefficient, $\alpha_p$		-	1.00	0.15	0.35	0.65	0.80		0.85	30	
					0.50	0.75	0.85		0.90	40	
				0.20	0.55	0.80			50		

CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES	STANDARD
Reaction to fire	-	Euroclass	A2-s1, d0	EN 13501-1
Short term water absorption	WS	kg/m <sup>2</sup>	< 1	EN 1609
Resistance to the diffusion of water steam of mineral wool, $\mu$	MU	-	1	EN 14303
Dimensional stability, $\Delta\epsilon$	-	%	<1	EN 1604
Operating temperature range	-	°C	-30 to +290	-
Characteristics	-	-	The reaction to fire behaviour and thermal resistance of this product will not vary with time nor if subjected to the maximum specified temperature.	-
Steel corrosion	-	-	Non-corrosive.	ASTM C-795 C-871

DELIVERY FORM: STANDARD DIMENSIONS / PACKAGING INFORMATION*						
Thickness d (mm)	Length l (m)	Width b (m)	m <sup>2</sup> /pack	m <sup>2</sup> /pallet	m <sup>2</sup> /truck	Designation code
30	1.35	0.60	11.34	181.44	3447	MW-EN 14303-T4-ST(+)-300-WS1-AW0,60
40	1.35	0.60	8.10	129.60	2333	MW-EN 14303-T4-ST(+)-300-WS1-AW0,70
50	1.35	0.60	6.48	103.68	1866	MW-EN 14303-T4-ST(+)-300-WS1-AW0,70

\* Other dimensions on request.



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