

Technical sheet. Dated 04.2016 #3.07

**TECHNOACOUSTIC**

EN 13162:2012+A1:2015

MW-EN 13162-T4-DS(70,-)-DS(23,90)-WS-WL(P)-MU1-AW(0,7) RfF:A1

1023 – CPR – 0705 P



**Application areas:**

Material recommended for use as a sound absorber in the construction of frame walls and facings, in the construction of suspended ceilings, as well as in the ceiling when not load scheme-laying insulation. Application TECHNOACOUSTIC in the above construction ensures their compliance with building regulations, fire safety and environmental comfort

**Description of material:**

TECHNOACOUSTIC - it is non-flammable, water-repellent sound-absorbing plates of mineral wool based on basalt rocks. The special arrangement of fibers provides high sound absorbing properties. High physical and mechanical properties of the material ensure reliable operation in the vertical structures for more than 50 years.

**Storage:**

The slabs must be stored in covered warehouses. Storage under an awning protecting the slabs from atmospheric precipitation is permitted. The slabs shall be stored into containers or stacked on the pallets or on the supports during whole period of storage. The height of the stack shall not exceed 3 meters.



**Product technical data:**

Essential characteristics	Performance	Harmonized technical specification
Declared thermal conductivity at 10 °C, W/m*K	0,037	EN 13162:2012 + A1:2015
Limit deviations Length, Width, mm	±2/±1,5 %	
Limit deviations of thickness, mm	T4	
Thickness, (with increments of 10 mm), mm	50-200	
Deviation from squareness, mm/m	< 5	
Deviation from flatness, mm	< 6	
Compressive stress at 10% deformation, kPa	CS(10)0,5	
Dimensional stability, %: -at specified temperature	DS(70,-) <1	
-under specified temperature (23°C) and humidity conditions (90%R.H.)	DS(23,90) <1	
Reaction to fire, euroclass	A1	
Water Absorption during Short/ Longterm Immersion kg/m2	WS <1 WL(P)<3	
Water vapour transmission, MU	MU1	
Dangerous Substances:	Does not include dangerous substances	
Weighted sound absorption coefficient	AW (0,7)-40mm AW (1,0) -100-200 mm	

**Declared Thermal resistance, EN 12667**

Thickness, mm	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
R, m <sup>2</sup> *K/W	1,1	1,35	1,60	1,90	2,15	2,40	2,70	2,95	3,20	3,50	3,75	4,05	4,30	4,60	4,85	5,10	5,40