

# BONUS GOLD BLACK 90

THERMAL INSULATION PRODUCTS FOR BUILDINGS - FACTORY MADE MINERAL WOOL (MW) PRODUCTS - SPECIFICATION



**Materiali e tecnologie per l'edilizia**

TS EN 13162+A1

<b>Standard</b>	Thermal insulation products for buildings - Factory made mineral wool (MW) products - Specification										
<b>Description</b>	Mineral wool - Thermal insulation material formed by melting of basalt stone at 1350°C-1400°C into fiber - for thermal, sound and fire insulation product										
<b>Surface Facing</b>	Covered with black fiberglass										
<b>Area of Usage</b>	It can be used between aluminum, PVC, granite, marble and glass facade coating systems.										
<b>Product Performance</b>	<b>Technical Characteristics</b>	<b>Test Method</b>	<b>Units</b>	<b>Value or Statement</b>							
	Thickness / d	EN 823	mm	30 - 120							
	Tolerances - T4	-3% or -3 mm; +5% or +5mm. - absolute large value in tolerance, + absolute small value in tolerance.									
	Length / l	EN 822	mm	1200							
	Tolerances ±2 %										
	Width / b	EN 822	mm	600							
	Tolerances ±1,5 %										
	Squareness/ S <sub>b</sub>	EN 824	mm/m	max.5							
	Flatness/ S <sub>max</sub>	EN 825	mm	max.6							
	Density / D	EN 1602	kg/m <sup>3</sup>	90							
	Tolerances ±10 %										
	Thermal Conductivity	EN 12667 EN 12939	W/m.K	0,036							
	Thermal Resistance / R <sub>d</sub>	EN 12667 EN 12939	mm	30	40	50	60	70	80	100	120
			(m <sup>2</sup> .K)/W	0,80	1,10	1,35	1,65	1,90	2,20	2,75	3,30
	Fire Reaction Class	EN 13501-1	Euroclass	A1							
	Short Term Water Absorption/ WS	EN 1609	kg/m <sup>2</sup>	≤1							
	Long Term Water Absorption/ WL(P)	EN 12087	kg/m <sup>2</sup>	≤3							
Determination of dimensional stability under specified temperature	EN 1604	-	DS(70,-)								
Water Vapour Permeability / MU	EN 12086	μ	1								
Air Flow Resistance/ Afr	EN 29053	-	NPD								
<b>Depolama / Storage</b>	The products should be stocked closed. If the storage area is open, the entire surface of the packages must be covered with cover or tarpaulin.										
	Product packages should be protected from water, moisture and sunlight in the storage area.										
	Appropriate work safety clothing and equipment must be used to protect the skin, eye and upper respiratory system during transport.										
	Product packages should be placed on at least one pallet which should not be in direct contact with the ground at storage area.										
	Products must be covered with a tarpaulin when shipped.										
	Do not leave any material on the products in such a way as to damage the package and the product.										
	Palletized products should not be stacked and stored on top of each other.										
	The opened packages must not be disposed of and must be disposed of in accordance with the regulations.										

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