



### Main characteristics

Product:	Thermal mortar for thermal insulating masonry.
Composition:	Ready to use mortar, composed of water binders, virgin expanded polystyrene beads (Ø 2-3 mm), coated by special E.I.A. additive for a perfect and homogeneous mixing.
Packaging and storage:	<ul style="list-style-type: none"> <li>• Bag of 50 L yield.</li> <li>• Pallet of 40 bags (on demand 44/48).</li> <li>• It is recommended the use within 6 months from the packaging. The product maintains the technical characteristics for over 12 months if conveniently stored (in a dry and fresh place, protected from frozen, water and direct sunlight). It is recommended to use suitable protection devices.</li> </ul>
Application fields:	Malta Block 600 is a thermal mortars used for all types of external and internal masonry, with lightweight cement blocks with high thermal insulation properties.
Consumption / Yield:	1 Bag = 5 m².
Support preparation:	The support must be free of dust, oil and greases. In case of high temperatures, it is recommended to moisten the brick before the application.
Mixing preparation:	<p><b>It can be mixed by:</b></p> <ul style="list-style-type: none"> <li>• Drill with whisk.</li> <li>• Cement mixer.</li> </ul> <p>For the application proceed as follows: add 15 - 18 litres of water per bag; mix for at least 5 minutes, and not more than 10 minutes. Shake on mixer and add water until obtaining a good consistency. Before the installation, align and lay correctly each element.</p>
Warnings:	<ul style="list-style-type: none"> <li>• Do not apply below temperatures of +5 °C and above +35 °C or under direct sunlight.</li> <li>• For detailed application instructions contact Edilteco Technical Department or consult the "Application Manual - Smartblock System".</li> <li>• When change pallet, check again the mixing water.</li> </ul>

## Technical characteristics

Characteristic	Value	Referring Standard
Specific weight (dry mortar):	approx. 600 kg/m <sup>3</sup>	UNI-EN 998-2
Thermal conductivity $\lambda_D$ :	0,158 W/mK	
Compressive strength:	> 2,5 N/mm <sup>2</sup> (M2,5)	
Flexural strength:	> 0,69 N/mm <sup>2</sup>	
Coefficient of permeability to water vapour $\mu$ :	13	
Chloride content in water:	< 0,02%	
Water absorption:	0,09 kg/(m <sup>2</sup> · min <sup>0,5</sup> ) (W2)	
Fire reactivity:	A1	
Resistance to starting cut:	0,15 N/mm <sup>2</sup> (v.t.)	

All the indications provided in this technical data sheet are purely approximate and not binding for legal purposes. The data listed has been gathered from laboratory tests and it hence follows that in practical applications on building sites the final characteristics of the products may be subject to substantial variations depending on the meteorological conditions and the installation.

The user must always check suitability of the product for its specific use, undertaking all liability implicit in and deriving from use of the product, as well as comply with all the methods and instructions for use generally referable to "workmanlike" execution.

ESB s.r.l. reserves the right to change the contents of this technical data sheet on its final judgement.

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