



<b>PRODUCT NAME</b>	<b>MAT 42</b>
Classification Temperature (EN 1402-1) at °C	1350
Main Raw Material Base (EN 1402-1)	Chamotte
Type of Product (EN 1402 -1)	Regular Castable
Method of Placement (EN 1402-1)	Vibration / Casting
Chemical Analysis (EN ISO 12677)	
% Al <sub>2</sub> O <sub>3</sub>	> 40,0
% SiO <sub>2</sub>	< 45,0
% Fe <sub>2</sub> O <sub>3</sub>	< 3,4
% CaO	9,1
Bulk Density (EN 1402-6) at g/cm <sup>3</sup> after drying at 110°C	2,15
Cold Crushing Strength (EN 1402-6) at N/mm <sup>2</sup>	
110°C	35
800°C	28
1100°C	24
Thermal Conductivity (EN 993-14) at W/mK after firing at:	
800°C	0,92
Grain Size (EN 1402-3) at mm	6
Permanent Linear Change (EN 1402-6) %	
110 °C	- 0,05
1100 °C	- 0,15
Reversible thermal expansion at 1000°C (%)	0,54
Material Required at kg/m <sup>3</sup>	2200
Water Addition (lit/100 kg) (EN 1402-4)	11 – 13
Shelf life (months)	12
Packaging (kg / bag)	~ 25

The above data are typical average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They may not be regarded as binding specifications. All previously published product-information are replaced by the values stated here and thus become invalid.

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