



MOSCONI s.r.l.



SUPER INSULATING BRICK

AB-50

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Effective: November 2015

Classification	ISO 2245 : 2006		90-L
Density	ISO 5016 : 1995	Kg/m ³	500
Max. service temperature		°C	950
Cold crushing strength	ISO 8895 : 2006	MPa	2.5
Linear Reheat Change 12h soak @ Temperature (°C)	ISO 2477 : 2005	%	-0.5 900
Thermal Conductivity Mean Temperature 200°C 400°C 600°C 800°C	ASTM C 182-88 : 2009	W/m°K	0.16 0.17 0.18
Chemical Analysis SiO ₂ Al ₂ O ₃ TiO ₂ Fe ₂ O ₃ CaO MgO K ₂ O Na ₂ O P ₂ O ₅	XRF	%	64.5 17.5 0.6 3.1 5.9 1.6 3.6 1.7 tr
Thermal Expansion (max.)	EN 821-1 : 1995	%	0.4
Refractoriness	ISO 528 : 1983	°C	1200
Refractoriness Under Load, T₀₅ Load: 0.05 MPa	ISO 1893 : 2008	°C	890
Total Porosity	ISO 5017 : 2013	%	80
Dimensional Tolerances Machined standard squares Trimmed standard squares Length Width Thickness		mm	± 1.0 ± 2.0 ± 2.0 ± 1.5

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The above physical and chemical properties of Insulating Brick represent values obtained on standard squares in accordance with accepted test methods and are subject to normal manufacturing variations. This information is supplied as a technical service and may change without notice. Results should not be used for specification purposes, unless agreed with seller.

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