

Product Definition

Insulating Bricks and Slabs

Product :

TR25-08

Other names : 25-135, ISOLA, HR135, HR135-8, IR8

Ref-date : 2007-C

Maximum Classified Temperature : **1 350 °C** Mark on the brick * : TR25-08

Brand Code : 7464

Description : Very high efficiency at high temperature

Properties :	Standards	Units	Average μ	Std. Dev. s	Limits	
					Ti (lower)	Ts (upper)
Classification :	ISO 2245		135			
Classification :	ASTM C155		25			
Bulk Density :	ISO 5016	g/cm ³	0.8	0.04		0.92
Cold Crushing Strength : (// to extrusion or perpendicular to pressing direction)	ISO 8895	MPa	2.5	0.4	2	
Permanent Linear Change : 12h at 1350°C	ISO 2477	%	-0.9		-1.6	
Chemical Analysis :	XRF	%				
	Al ₂ O ₃		37		35	
	SiO ₂		56			
	Fe ₂ O ₃		1.3			1.6
	TiO ₂		1.1			1.5
	CaO+MgO		0.55			0.9
	Na ₂ O+K ₂ O		3.5			3.8
Thermal Conductivity : (Through 114 mm dimension)	ASTM C182	W/m.K				
	200 °C		0.20			0.27
	400 °C		0.25			0.32
	600 °C		0.29			0.38
	800 °C		0.32			0.40
	1 000 °C		0.36			0.46
	1 200 °C					
Reversible Thermal Expansion : (20°C to 1000°C)	NF B40 308	%	0.5			
Pyroscopic Cone Equivalent :	ISO 528	°C	1 730			

Dimensional tolerances:	Standard Pieces	Non Standard Pieces
	Length Width Thickness Squareness	±0.5%, mini ±1.5mm ±0.5%, mini ±1.5mm ±0.5%, mini ±1.5mm 1mm / 100mm

Other Informations :	
Recommended Mortar :	Heatset : C 1400 S or C 1400 H (S = Dry, H = Ready to use) Airset : RL 13 S or RL 13 H (S = Dry, H = Ready to use)
Manufacturing Plant :	LIBOS (F47500)

Physical properties are based on averages of routine quality controls carried out from bricks 230 x 114 x 64 mm or 230 x 114 x 76 mm.
Averages and standard deviations are indicative values, limits (Ti et Ts) are guaranteed values.

* The marking is not contractual.

Frequency, Sampling, Acceptation Methods are detailed in our C.T.C./Q.P.D. (Document n° 8030).