

Product Definition

Insulating Bricks and Slabs

Product :

TR23-14

Other names : CIMEX, HR CIMEX

Ref-date : 2007-C

Maximum Classified Temperature : **1 300 °C** Mark on the brick * : TR23-14

Brand Code : 7490

Description :

Properties :	Standards	Units	Average μ	Std. Dev. s	Limits		
					Ti (lower)	Ts (upper)	
Classification :	ISO 2245						
Classification :	ASTM C155						
Bulk Density :	ISO 5016	g/cm ³	1.4	0.1		1.7	
Cold Crushing Strength : (// to extrusion or perpendicular to pressing direction)	ISO 8895	MPa	22	3	14		
Permanent Linear Change : 12h at 1300 °C	ISO 2477	%	-1		-2		
Chemical Analysis :	XRF	%					
			Al ₂ O ₃	22		18	
			SiO ₂	74			
			Fe ₂ O ₃	1.3			1.7
			TiO ₂	1			2
			CaO+MgO Na ₂ O+K ₂ O	1 1			1.2 1.5
Thermal Conductivity : (Through 114 mm dimension)	ASTM C182	W/m.K					
			200 °C	0.44		0.54	
			400 °C	0.47		0.57	
			600 °C	0.51		0.61	
			800 °C	0.57		0.67	
			1 000 °C 1 200 °C				
Reversible Thermal Expansion : (20 °C to 1000 °C)	NF B40 308	%	0.7				
Pyroscopic Cone Equivalent :	ISO 528	°C	1 600				

Dimensional tolerances:	Standard Pieces	Non Standard Pieces
	Length Width Thickness Squareness	±1.5%, mini ±2mm ±1.5%, mini ±2mm ±1.5%, mini ±2mm 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).