

Product Definition

Insulating Bricks and Slabs

Product : **TR25-11E**

Other names : RL13-11E

Ref-date : 2007-C

Maximum Classified Temperature : **1 350 °C** Mark on the brick * : TR25-11E

Brand Code : 1121

Description : Brick with high C.C.S and good R.U.L.

Properties :	Standards	Units	Average μ	Std. Dev. s	Limits	
					Ti (lower)	Ts (upper)
Classification :	ISO 2245		135			
Classification :	ASTM C155					
Bulk Density :	ISO 5016	g/cm ³	1.15	0.05		1.25
Cold Crushing Strength : (// to extrusion or perpendicular to pressing direction)	ISO 8895	MPa	10	0.8	8	
Permanent Linear Change : 12h at 1350 °C	ISO 2477	%	-0.4			1
Chemical Analysis :	XRF	%				
			Al ₂ O ₃	37		
			SiO ₂	56		
			Fe ₂ O ₃	1.3		
			TiO ₂	1		
			CaO+MgO	0.6		
			3.2			
Thermal Conductivity : (Through 114 mm dimension)	ASTM C182	W/m.K				
			200 °C	0.32		0.40
			400 °C	0.36		0.42
			600 °C	0.40		0.47
			800 °C	0.44		0.49
			1 000 °C	0.47		0.51
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	± 1 mm ± 1 mm ± 1 mm 1mm / 100mm

Other Informations :	
Recommended Mortar :	Heatset : TC 1400 S or H (S = Dry, H = Ready to use) Airset : TH 1400 S ou 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).