

IFB Refractories SAS

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Product Definition

Insulating Bricks & Slabs

Product : **25-135**

Other names : **ISOLA, HR 135, HR 135-8, IR8**

Maximum Classified Temperature : **1350°C**

Mark on the brick : 25-135

Ref date : 2017-B

Brand Code : 7464

Description : Very high performances at high temperature

Properties :	Standards	Units	Average μ	Std. Dev. σ	Limits	
					TI (low)	Th (high)
Classification	ISO 2245		135			
	ASTM C155		25			
Bulk density	ISO 5016	g/cm ³	0,8	0,04		0,92
Cold Crushing Strength (// to extrusion or et 90° 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 :	ASTM C182	W/m.K				
(through 114mm dimension)	200°C		0,20			0,27
	400°C		0,25			0,32
	600°C		0,29			0,38
	800°C		0,32			0,40
	1000°C		0,36			0,46
	1200°C					
Reversible Thermal Expansion : (20°C to 1000°C)	NF B40 308	%	0,5			
Pyroscopic Cone Equivalent :	ISO 528	°C	1730			

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

Other Information :		
Recommended mortar	C 1400S or H C : Heat set S : Dry / Powder	RL 13S or H RL : Air set H : Ready to Use
Manufacturing Plant	PRF : Bricks and slabs	

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 and Th) are guaranteed values.

Tests frequency, sampling, and acceptance values for our products are detailed in our C.T.C/Q.P.D. (Document n°8030)