

IFB Refractories SAS

Route de Vendoeuvres
36500 Buzançais
France
Tel : +33 (0)2 54 02 25 15
Fax : +33 (0)2 54 84 13 20
www.ifbgroup.fr



Product Definition

Insulating Bricks & Slabs

Product : **23-130**

Other names : **HR 130, RL23**

Maximum Classified Temperature : **1300°C**

Mark on the brick : 23-130

Ref date : 2017-B

Brand Code : 8828

Description : Good insulating qualities, Low density, Low iron and lime content

Properties :	Standards	Units	Average μ	Std. Dev. σ	Limits	
					TI (low)	Th (high)
Classification	ISO 2245		130L			
	ASTM C155		23			
Bulk density	ISO 5016	g/cm ³	0,58	0,05		0,68
Cold Crushing Strength (// to extrusion or et 90° to pressing direction)	ISO 8895	Mpa	1,2	0,2	0,85	
Permanent Linear Change 12h at 1300°C	ISO 2477	%	-0,8		-1,8	
Chemical Analysis :	XRF	%				
	Al ₂ O ₃		39		36	
	SiO ₂		55			
	Fe ₂ O ₃		1			1,3
	TiO ₂		0,6			0,8
	CaO+MgO		0,6			0,8
	Na ₂ O+K ₂ O		2,2			2,6
Thermal Conductivity :	ASTM C182	W/m.K				
(through 114mm dimension)	200°C		0,15			0,21
	400°C		0,17			0,23
	600°C		0,21			0,26
	800°C		0,23			0,29
	1000°C		0,25			0,31
	1200°C					
Reversible Thermal Expansion : (20°C to 1000°C)	NF B40 308	%	0,45			
Pyroscopic Cone Equivalent :	ISO 528	°C	1700			

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	

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)