

# 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 : **26-140**

Other names : **HR 140, RI26**

Maximum Classified Temperature : **1400°C**

Mark on the brick : 26-140

Ref date : 2017-B

Brand Code : 8807

Description : Low iron content

Properties :	Standards	Units	Average $\mu$	Std. Dev. $\sigma$	Limits	
					TI (low)	Th (high)
Classification	ISO 2245		140			
	ASTM C155		26			
Bulk density	ISO 5016	g/cm <sup>3</sup>	0,87	0,02		1
Cold Crushing Strength (// to extrusion or et 90° to pressing direction)	ISO 8895	Mpa	4,7	0,6	3	
Permanent Linear Change 12h at 1400°C	ISO 2477	%	-0,6		-1,8	
Chemical Analysis :	XRF	%				
Al <sub>2</sub> O <sub>3</sub>			40		37	
SiO <sub>2</sub>			54			
Fe <sub>2</sub> O <sub>3</sub>			1,2			1,6
TiO <sub>2</sub>			1,3			1,5
CaO+MgO			0,6			0,9
Na <sub>2</sub> O+K <sub>2</sub> O			2,6			3,8
Thermal Conductivity :	ASTM C182	W/m.K				
(through 114mm dimension)						
200°C			0,28			0,36
400°C			0,31			0,40
600°C			0,34			0,44
800°C			0,36			0,47
1000°C			0,39			0,50
1200°C			0,44			0,55
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 1500S or H C : Heat set S : Dry / Powder	RL 40S 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)