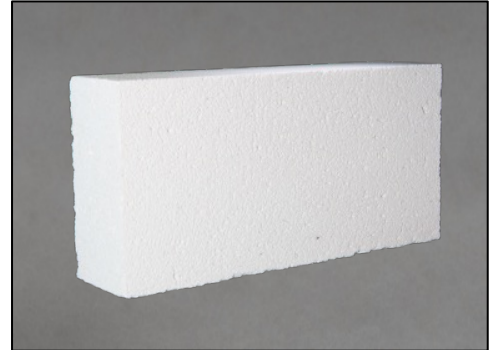


28-155 – Product data sheet

Presentation:

The 28-155 is IFB classical insulating brick for **1550°C** temperature applications. With high alumina content (>60%) and low iron oxide (<1.05%) it offers high insulation (0.40 W/m.K at 1200°C) and excellent mechanical properties (CCS >3 MPA).



Maximum classified temperature: **1550°**.



French refractory clays & local organic filler.

Properties :	Standards	Units	Average μ	Limits		
				Tl (low)	Th (high)	
Classification	ISO 2245		150			
	ASTM C155		28			
Bulk density	EN 1094-4	g/cm ³	0,94		1,05	
Cold Crushing Strength (// to extrusion)	ISO 8895	MPa	4	3		
Permanent Linear Change (12h at 1550°C)	ISO 2477	%	-1	-1,5		
Chemical Analysis : (XRF)	ISO 12677	%				
			Al ₂ O ₃	63	60	
			SiO ₂	34		
			Fe ₂ O ₃	0,8		1,05
			TiO ₂	0,3		
			CaO+MgO	0,3		
			1,2		1,5	
Thermal Conductivity : (through 114mm dimension)	ASTM C182	W/m.K				
			200°C	0,35		
			400°C	0,36		
			600°C	0,37		
			800°C	0,38		
			1000°C	0,39		
1200°C	0,40					
Reversible Thermal Expansion : (20°C to 1000°C)	ISO 16835	%	0,51			
Refractoriness under load : (T _{0.5}) 0,05 MPa Load	EN ISO 1893	°C	1490			
Compression Creep 0,05 MPa load, 0-25h at 1300°C	EN 993-9	V15-25 %	0,006			
		Z 25 %	0,18			
Pyroscopic Cone Equivalent :	ISO 528	°C	1750			

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

Other Information :	C 1650 S or H	RL 75 S or H
Recommended mortar	C : Heat set	RL : Air set
	S : Dry / Powder	H : Ready to Use

Ref. 2023/02

Physical properties are based on averages of routine quality controls carried out on standard bricks. Averages and standard deviations are indicative values, limits (Tl and Th) are guaranteed values.