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Reg No: 2018/008835/07  
VAT No: 4230214381



Thermal Stock Brick							
Product Specifications							
Product Name:	Thermal Stock Brick						
Masonry Classification:	Concrete Masonry Unit						
SANS Compliant to:	SANS1215:2008						
Dimensions (LxWxH):	210 x 105 x 70 mm						
Density:	2082 kg/m3						
Surface Texture:	Adequate adhesion for plaster						
Rendering:	Compulsory - 15mm Cement Plaster (Internal & External)						
Nominal Compressive Strength:	7.5mpa or 10.5 Mpa (MTO)						
Drying Shrinkage:	Less than 0.06 %						
Expansion on re-wetting:	Less than 0.02 % of Drying Shrinkage						
Soundness:	Compliant with Standard						
Thermal							
Measured thermal conductivity: K-Value	0.5244 W/m.K						
Calculated thermal resistance per 105mm width. R Value per Single Unit:	0.2002 m2.K/W						
R Value Calculation of Two (2) leaf wall							
210 mm Wide Thermal Stock Brick wall, rendered both sides with 15mm cement plaster							
	External Air	External Plaster	Thermal Stock Brick	Thermal Stock Brick	Internal Plaster	Internal Air	Total R-Value
Dimensions of Unit / Unit	1	0.015	0.105	0.105	0.015	1	0.62
Thermal Resistance W/m.K	20	0.5	0.5244	0.5244	0.5	9.4	
R-Value	0.05	0.03	0.20	0.20	0.03	0.11	



Our Thermal Stock Brick complies to all requirements of SANS 1215:2008 and carry's the **CMACS** Mark of Approval

External Professional Engineers have assessed the product and confirm compliance with SANS1215:2008, SANS 10400-T 2020, SANS 10400-K and SANS 10400-XA 2021. If built according to SANS 2001 Construction Works, SANS 10400 and the national building regulations, and in accordance with an approved professional design or drawing.

All tests has been undertaken by Professionals and are available upon request.

Manufacturer : Cem Brick Manufactures (Pty) Ltd Reg no 2018/008835/07

Patent : Pending Registration in South Africa

Issued Date: 05 September 2024