

4. RESULTS.

4.1 SHAPE AND APPEARANCE: Satisfactory.

4.2 DIMENSIONS (mm):

	Comments	Average	Maximum	Minimum
Length:	None	222	225	219
Width:	None	107	108	106
Height:	None	70	72	68

4.3 COMPRESSIVE STRENGTH : (MPa)

1.	45.4	2.	46.8	3.	40.4	4.	60.4	5.	43.0	6.	44.7
7.	43.2	8.	32.3	9.	32.9	10.	48.9	11.	44.2	12.	44.1
Average: 43.9 MPa											

4.4 EFFLORESCENCE:

Number of units that exhibit the following degrees of efflorescence:

Nil:	0
Slight:	0
Moderate:	20
Heavy:	0
Serious:	0

4.5 WATER ABSORPTION %:

4.5.1 24h Immersion Test:

1.	19.2	2.	11.7	3.	15.8	4.	11.7	5.	11.1	6.	13.1
Average: 13.8 %											

4.5.2 5h Boiling Test: Not tested.

4.5.3 Saturation Coefficient: Not tested.

4.6 SOUNDNESS: Not tested.


4.7 INITIAL RATE OF ABSORPTION (kg/m<sup>2</sup>)

1.	2.9	2.	1.9	3.	3.5	4.	1.9	5.	1.7	6.	2.3
Average: 2.4 kg/m <sup>2</sup>											

5. REMARKS.

The sample of burnt clay masonry units as tested by Soilcon complies with the requirements of SANS 227 : 2007 in respect of shape and appearance, dimensions, compressive strength, water absorption and efflorescence.

For the interpretation of the results reflected in this report reference is made to the requirements of SANS 227 : 2007.



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