

Sample No : 674315
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Report No : BCT 160714-00024 A
File No : 2538/3543 I/MT16
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Date : 2016-10-20

TEST REPORT

Apollo Bricks
Attention: Mr A Mabena
PO Box 6061
Birchleigh
1621

BURNT CLAY MASONRY UNITS
SANS 227: 2007
MARK No: 7663

1 SIGNIFICANCE OF TEST RESULTS CONTAINED IN THIS REPORT

- 1.1 Refer to the print on the back of this page.
- 1.2 To determine whether the sample received complies with the requirements of SANS 227:2007 "Burnt Clay Masonry Units".

2 CONCLUSION

- 2.1 The sample tested complies with all the requirements of SANS 227:2007 "Burnt Clay Masonry Units" with respect to class 14,0 MPa NFX. Uncertainty of measurement was not applied to the results.

3 SAMPLE

DESCRIPTION OF SAMPLE

Sixty "NFX 14,0 MPa" burnt clay masonry units with nominal dimensions "223 mm x 102 mm x 73 mm"



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SABS Commercial SOC Ltd conducted a conformity assessment pertaining to a sample of the product, commodity or system identified and the outcome recorded in this test report only relates to that specified sample. The conformity assessment outcomes recorded in the test report do not imply SABS Approval of the quality and/or performance of the sample(s) in question and the test results do not apply to any similar sample that has not been tested. (Refer also to the conditions of test printed on the back of this page.) This report may not be reproduced except in full. The authenticity of this report and its contents can be confirmed by contacting the person who signed it.



LAB T0026

4 DATES

- 4.1 Date of sampling : 01 June 2016.
- 4.2 Date of receipt : 04 July 2016.
- 4.3 Date test started : 15 September 2016.
- 4.4 Date test completed : 25 September 2016.

5 CONDITION OF SAMPLE

The sample was considered to be in suitable condition for testing.

6 NAME OF LABORATORY

Building Laboratory of SABS Commercial SOC Ltd.

7 TEST RESULTS

Nature of Test (SANS 277 Clauses)	Results	Conclusion	Requirements
4.1.1 Shape	True to the appropriate acceptable pattern	Complied	Shall be true to the appropriate acceptable pattern.
4.1.2 Appearance	Free from cracks, damage to the edges and corners	Complied	Shall be free from cracks, damage to edges and corners.
4.1.3 Texture and Colour	Satisfactory, uniform	Complied	Shall be agreed between manufacture and the purchaser
4.2 Dimensions, mm	Min Max	Complied	
Length	222 224		223 ± 3,5
Width	102 104		102 ± 2
Depth	72 74		72 ± 2

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4.3 Warpage, mm	No warpage exceeds 5 mm	Complied	Individual units shall not have a warpage exceeding 5 mm not more than 3 units shall have warpage of 3 mm
4.4 Compressive strength, MPa		Complied	
Individual	26,4 27,1 33,9 33,5 27,6 29,2 35,0 30,9 25,2 33,8 33,3 33,3		≥ 10,5
Average	30,8		≥ 14,0
4.5 Efflorescence	No efflorescence was observed	Complied	Not more than ten units shall exhibit a moderate degree of efflorescence
4.6 Soundness	No pop-outs were observed	Complied	No pop out.

NB The follow tests are only performed when requested by the client

- Water absorption
- Water soluble salts
- Moisture expansion

8 MARKINGS

Each consignment of units shall be accompanied by a dispatch note or a consignment note in which the following information is given:

- a) The manufacture's name or trade mark
- b) The class and the work size
- c) The nominal compressive strength of the units
- d) The grade of the units
- e) Whether the units are solid or hollow

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9 EQUIPMENT INFORMATION

Equipment	Capacity	Serial No.	Cal Cert No.	UoM	Next Cal Date
Avery Denison	3000 kN	7123/33587-C	2020.9163-2	± 0,9 %	Jan 2017
Water bath (Thermometer)	-	SA 1561/151	2020.TP.673604	± 0,3 %	July 2018
Measuring tape	3 000 mm	1	2020.D.672203	± 0,6 mm	June 2017
Pressure cooker	0 – 250 kPa	BC 005	15-7562	± 0,02 %	Nov 2017
Steel straight edge	1,2 m	4800/06	2020.8298-1	± 0,02 %	Oct 2016
Four steel measuring wedges	9 mm	1 – 4 /611/002	2020.9174-3	± 0,003 mm	Oct 2017

SR Mokoena
 Test officer : Building Laboratory
 Technical Signatory



J Maswikaneng
 Manager : Civil Testing



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