



West End Claybrick (Pty) Ltd
PO Box 2723
LENASIA
1820

Our ref: 18650/09/MP

Date: 31. 08. 09

TEST REPORT

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This report relates only to the specific sample tested as identified herein and does not apply to any similar item that has not been tested, if published or reproduced by the client the test report shall be reproduced in full i.e. all pages.

BURNT CLAY MASONRY UNITS

1. SAMPLE
 - 1.1 SAMPLING. Samples taken at random by Soilcon.
 - 1.2 DESCRIPTION. Thirty eight burnt clay masonry units of nominal dimensions 222mm x 99mm x 71mm and reputed to be intended for use as a class FBA - face units of aesthetic quality, of nominal compressive strength 17MPa and of normal efflorescence grade. Marked "Golden Clinker".
 - 1.3 SAMPLE CONDITION. Sixteen of the samples had corners chipped and fifteen of the samples had edges damaged.
 - 1.4 DATE OF RECEIPT. 12 August 2009
2. NATURE OF TEST.

Refer section 4.
3. METHOD OF TEST.

SANS 227 : 2007
- 3.1 DEVIATIONS FROM TEST METHOD. None.

/4. RESULTS.....

4. RESULTS.

4.1 SHAPE AND APPEARANCE: Satisfactory.

4.2 DIMENSIONS (mm):

| | Comments | Average | Maximum | Minimum |
|---------|---------------|---------|---------|---------|
| Length: | Satisfactory. | 222 | 224 | 221 |
| Width: | Satisfactory. | 99 | 101 | 98 |
| Height: | Satisfactory. | 71 | 73 | 70 |

4.3 WARPAGE (mm) : Not tested

4.4 COMPRESSIVE STRENGTH : (MPa)

| | | | | | | | | | | | |
|----------|------|----------|------|----|------|-----|------|-----|------|-----|------|
| 1. | 40.1 | 2. | 48.3 | 3. | 45.0 | 4. | 41.4 | 5. | 42.3 | 6. | 34.6 |
| 7. | 38.8 | 8. | 42.8 | 9. | 46.6 | 10. | 44.5 | 11. | 41.4 | 12. | 39.7 |
| Average: | | 42.1 MPa | | | | | | | | | |

4.5 EFFLORESCENCE:

Number of units that exhibit the following degrees of efflorescence:

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

4.6 WATER ABSORPTION %:

4.6.1 24h Immersion Test:

| | | | | | | | | | | | |
|----------|-----|-------|------|----|-----|----|------|----|------|----|-----|
| 1. | 7.5 | 2. | 11.6 | 3. | 9.3 | 4. | 11.6 | 5. | 10.2 | 6. | 9.2 |
| Average: | | 9.6 % | | | | | | | | | |

4.6.2 5h Boiling test: Not tested.

4.6.3 Saturation Coefficient: Not tested.

4.7 SOUNDNESS: Not tested.

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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