BURNT CLAY MASONRY UNITS

1. SAMPLE

1.1 SAMPLING. Samples taken by the client.

1.2 DESCRIPTION. Twenty burnt clay masonry units of nominal dimensions 223mm x 105mm x 72mm and reputed to be intended for use as a class FBA - face units of aesthetic quality, nominal compressive strength 17MPa and of normal efflorescence grade. Marked "Golden Ironspot."

1.3 SAMPLE CONDITION. Three of the samples received had corners chipped.

1.4 DATE OF RECEIPT. 20 February 2017

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): Not tested.

4.3 COMPRESSIVE STRENGTH (MPa):

<table>
<thead>
<tr>
<th></th>
<th>1. 33.1</th>
<th>2. 28.3</th>
<th>3. 33.7</th>
<th>4. 29.8</th>
<th>5. 37.7</th>
<th>6. 40.0</th>
<th>7. 27.8</th>
<th>8. 34.6</th>
<th>9. 36.4</th>
<th>10. 36.0</th>
<th>11. 27.9</th>
<th>12. 39.5</th>
</tr>
</thead>
<tbody>
<tr>
<td>AVG</td>
<td></td>
<td></td>
<td>33.7 MPa</td>
<td></td>
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4.4 EFFLORESCENCE: Not tested.

4.5 WATER ABSORPTION %:

4.5.1 24h Immersion Test:

<table>
<thead>
<tr>
<th></th>
<th>1. 6.3</th>
<th>2. 8.5</th>
<th>3. 8.0</th>
<th>4. 9.4</th>
<th>5. 7.6</th>
<th>6. 7.0</th>
<th>AVG</th>
</tr>
</thead>
<tbody>
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<td></td>
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<td>7.8 %</td>
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4.5.2 5h Boiling test: Not tested.

4.5.3 Saturation Coefficient: Not tested.

4.6 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 compressive strength and water absorption.

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

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SOILCON cc