Molopo Bricks
P O Box 588
POTCHEFSTROOM
2520

Our ref: 27715/18/MP
Date: 28.02.18

TEST REPORT

Page 1 of 2

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 by the client.

1.2 DESCRIPTION. Twenty burnt clay masonry units of nominal dimensions 227mm x 153mm x 71mm 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 "150 Molopo JEM."

1.3 SAMPLE CONDITION. Samples received in a satisfactory condition.

1.4 DATE OF RECEIPT. 23 February 2018

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 COMPRRESSIVE STRENGTH: (MPa)

<p>| | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>40.9</td>
<td>2</td>
<td>42.6</td>
<td>3</td>
<td>35.5</td>
</tr>
<tr>
<td>4</td>
<td>41.8</td>
<td>5</td>
<td>30.5</td>
<td>6</td>
<td>37.5</td>
</tr>
<tr>
<td>7</td>
<td>35.4</td>
<td>8</td>
<td>38.4</td>
<td>9</td>
<td>44.7</td>
</tr>
<tr>
<td>10</td>
<td>42.1</td>
<td>11</td>
<td>32.6</td>
<td>12</td>
<td>41.1</td>
</tr>
</tbody>
</table>

Average: 38.6 MPa

4.4 EFFLORESCENCE: Not tested.

4.5 WATER ABSORPTION %:

4.5.1 24h Immersion Test:

<p>| | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>5.8</td>
<td>2</td>
<td>5.4</td>
<td>3</td>
<td>6.4</td>
</tr>
<tr>
<td>4</td>
<td>5.2</td>
<td>5</td>
<td>6.8</td>
<td>6</td>
<td>5.1</td>
</tr>
</tbody>
</table>

Average: 5.8 %

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.

M.L.P. Poliuk
SOILCON cc