CUSTOMER NAME: HYDROBLOK GRAND INTERNATIONAL LTD
ADDRESS: 301-20338 65TH AVENUE, LANGLEY, BC V2Y 2X3

Sample Name: TILE BACKER BOARD
Material: Extruded Polystyrene Foam
Buyer: HYDROBLOK GRAND INTERNATIONAL LTD
Manufacturer: HYDROBLOK GRAND INTERNATIONAL LTD

Above information and sample(s) was/were submitted and confirmed by the client. SGS, however, assumes no responsibility to verify the accuracy, adequacy and completeness of the sample information provided by client.

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Test Required: Selected test(s) as requested by applicant
Date of Receipt: Apr.19, 2018
Testing Start Date: Apr.19, 2018
Testing End Date: Apr.28, 2018
Test Result(s): For further details, please refer to the following page(s)
(Unless otherwise stated the results shown in this test report refer only to the sample(s) tested)
******* To be continued******

Signed for
SGS-CSTC Standards Technical Services Co., Ltd. XM Branch

Civi Huang  Authorized Signatory
Resistance of concrete to rapid freezing and thawing

**Test Method:**
Refer to ASTM C666-15 Standard Test Method for Resistance of Concrete to Rapid Freezing and Thawing - Procedure B

Specimens: 276mm×76mm×12mm, 5pcs, see the photo(s)

Preconditioning: The specimens shall be immersed in water for 48h.

Freezing and thawing cycle:
Each cycle consists of a 3h freezing period in air, followed by a 1h thawing period during which the specimens are immersed in water, and as follows:

- Water saturated specimens are placed into the freezer. The temperature shall be reached (-18 ± 2) °C in 2h, then the specimens shall be placed in the freezer for 1h;
- Then the frosted specimens are immersed in water at (18 ± 2) °C. When this temperature is reached, the specimens shall be immersed for 1h;
- Repeat the above freezing and thawing cycle 25 times.

**Test Result:**

<table>
<thead>
<tr>
<th>Specimens identification No.</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length change (%)</td>
<td>0.00</td>
<td>-0.02</td>
<td>0.03</td>
<td>-0.01</td>
<td>-0.01</td>
</tr>
<tr>
<td>Observations</td>
<td>All of the specimens have been stained by water, see the photo(s)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note: Length change=(length after test- length before test)/length before test×100%.

******* To be continued*******
Specimen photograph(s):

Reference sample

Test sample

SGS authenticate the photo(s) on original report only

*******End of report*******