



## TEST REPORT

No. : XMIN180400683CCM

Date : Apr.28, 2018

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CUSTOMER NAME: HYDROBLOK GRAND INTERNATIONAL LTD  
ADDRESS: 301-20338 65<sup>TH</sup> 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



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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  $(-18 \pm 2)$  °C in 2h, then the specimens shall be placed in the freezer for 1h;

Then the frosted specimens are immersed in water at  $(18 \pm 2)$  °C. When this temperature is reached, the specimens shall be immersed for 1h;

Repeat the above freezing and thawing cycle 25 times.

### **Test Result:**

Specimens identification No.	1	2	3	4	5
Length change (%)	0.00	-0.02	0.03	-0.01	-0.01
Observations	All of the specimens have be stained by water, see the photo(s)				

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

\*\*\*\*\* To be continued\*\*\*\*\*

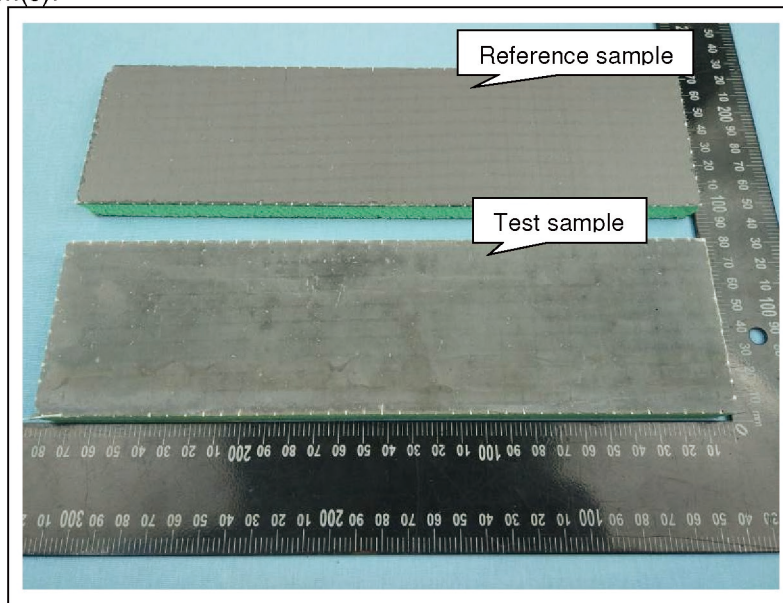
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Specimen photograph(s):



SGS authenticate the photo(s) on original report only  
\*\*\*\*\*End of report\*\*\*\*\*