

**Grace Construction Products**

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**Denise White**

DRY-BLOCK Program Administrator

February 3, 2011

Newtonbrook Block & Supply Co., Ltd.  
Eric Hamdic, QC Manager  
2665 Aurora Sideroad, Aurora, ON  
P.O. Box 69  
Gormley, ON L0H 1G0

Congratulations! Your plant has successfully completed the requirements for renewal qualification as outlined in our Qualified DRY-BLOCK® Producer Program.

Your completion of the production requirements demonstrates that your company can produce a water-repellent unit. It is imperative that all subsequent units containing the components listed in the DRY-BLOCK System Testing & Design Report are consistently produced and perform as water-repellent units. Conscientious quality control is the simplest and most effective way to ensure that the DRY-BLOCK units your company manufactures perform as promoted.

This certification is valid for one year from the date of testing and is subject to the requalification procedures as outlined in our Qualified DRY-BLOCK Producer Program. If I can be of any service, please feel free to contact me.

Sincerely,



Denise White  
DRY-BLOCK Program Administrator

Enc: DRY-BLOCK Certificate

cc: Jennifer Walsh- W. R. Grace

GRACE



**Test Report for CMU Water Uptake Test**

Client: Grace Construction Products  
Address: 7221 Parkland Court West  
Milwaukee, WI 53223

Lab Proj. No: 10-545  
Report Date: 9/23/2010

Voucher Number: DB107936  
Unit Designation/Description: Coupon

Sampling Party: Newtonbrook Block & Supply Co., Ltd. (Gormley)  
Date Tested: 9/21/2010

**Physical Properties**

(These values are similar to ASTM C140-10 properties, but they CANNOT be used to show compliance to ASTM C90-09)

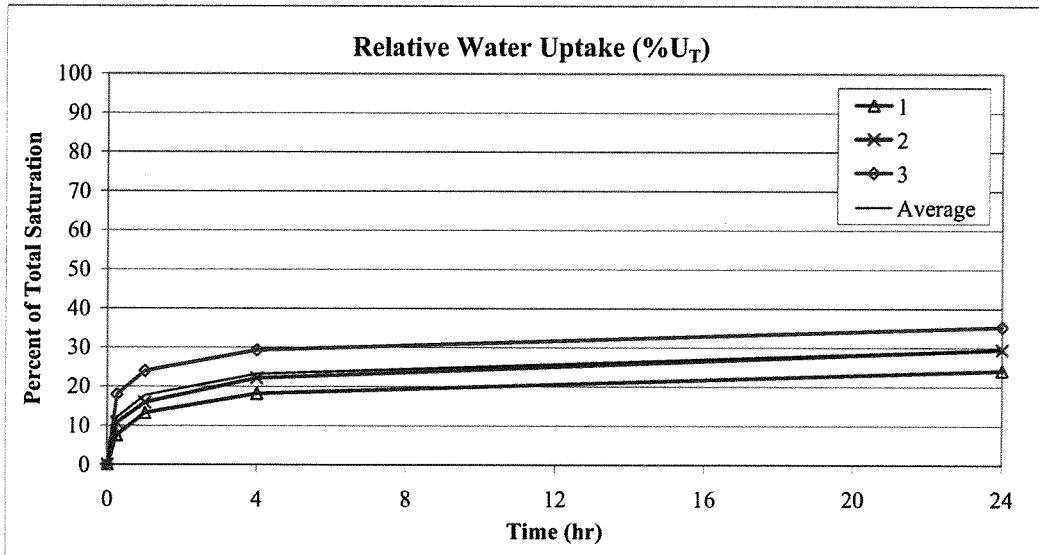
Density, lb/ft <sup>3</sup>	129.1	129.3	127.3	Avg. Density	128.6	lb/ft <sup>3</sup>
Ultimate Density*, lb/ft <sup>3</sup>	155.0	154.9	153.9	Avg. Ult. Density	154.6	lb/ft <sup>3</sup>
Absorption, lb/ft <sup>3</sup>	10.4	10.3	10.8	Avg. Absorption	10.5	lb/ft <sup>3</sup>
Absorption, %	8.0	8.0	8.5	Avg. Absorption	8.2	%
Equivalent thickness, (T <sub>e</sub> , in.)	1.6	1.6	1.5	Avg. T <sub>e</sub>	1.6	in.
Equivalent thickness, (T <sub>e</sub> , mm)	39.8	40.0	39.0	Avg. T <sub>e</sub>	39.6	mm
Moisture Content at T = 0, %	1.5	1.3	1.3	Avg. % Moisture	1.3	%

\* Ultimate density is the theoretical calculated density assuming the CMU was completely consolidated with no voids or absorption. It provides an indication of the consistency of the raw materials used in the CMU production. Ultimate Density, lb/ft<sup>3</sup> = Density, lb/ft<sup>3</sup> / (1 - (Absorption, lb/ft<sup>3</sup> / 62.4)) = [W<sub>s</sub> / (W<sub>s</sub> - W<sub>w</sub>)] x 62.4

**Relative Water Uptake of the Unit In Percent of Total Saturation, %U<sub>T</sub>, (T in Hours)**

Time in Hours	0.00	0.25	1.00	4.00	24.00
Unit #1	0.0	7.5	13.2	18.2	24.1
Unit #2	0.0	10.7	15.9	22.2	29.5
Unit #3	0.0	17.9	24.0	29.3	35.3
Average	0.0	12.0	17.7	23.2	29.6

%U<sub>24</sub> = 29.6%



Nicholas R. Lang  
Manager, Research & Development Laboratory

**DRY-BLOCK PRODUCER**  
**CERTIFICATE OF QUALIFICATION**

*This is to certify that*

***Newtonbrook Block & Supply Co., Ltd.***  
***Gormley, Ontario***

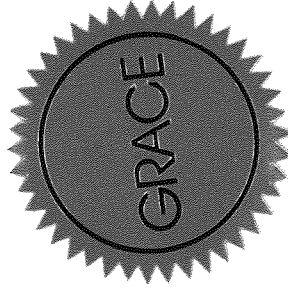
**HAS SUCCESSFULLY COMPLETED THE REQUIREMENTS AS SET FORTH BY  
GRACE CONSTRUCTION PRODUCTS AND IS HEREBY DESIGNATED AS A  
QUALIFIED DRY-BLOCK SYSTEM PRODUCER**

9/23/2010

DATE

*Angel Abelleira*

Angel Abelleira  
PRODUCT MANAGER  
GRACE CONSTRUCTION PRODUCTS



*This Certificate is valid for one (1) year from above issue date*