TEST REPORT

REPORT NUMBER: 3144559COQ-002B
ORIGINAL ISSUE DATE: March 27, 2008

EVALUATION CENTER

INTERTEK TESTING SERVICES NA LTD.
1500 BRIGANTINE DRIVE
COQUITLAM, BC V3K 7C1

RENDERED TO

GIGACRETE INC.
15475 NORTH GREENWAY-HAYDEN LOOP, SUITE B-21
SCOTTSDALE, AZ 85260

PRODUCT EVALUATED: PlasterMax-IND
EVALUATION PROPERTY: Physical Properties

Report of PlasterMax-IND for compliance with selected requirements of the following criteria: ASTM C 587-04 *Standard Specification for Gypsum Veneer Plaster*

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2 Introduction

Intertek Testing Services NA Ltd. (Intertek) has conducted a testing evaluation for GigaCrete Inc. on a veneer plaster product. The evaluation was carried out to determine whether the material would comply with selected requirements of ASTM C 587-04 *Standard Specification for Gypsum Veneer Plaster*. This evaluation was completed during the months of February and March 2008.

3 Test Samples

3.1. SAMPLE SELECTION

Intertek representative, John Mulder, witnessed the mix of the veneer plaster components and randomly selected the final product on January 4 and 11, 2008 at GigaCrete Inc., 6775 Speedway Blvd, Suite M105, Las Vegas, Nevada. GigaCrete representative, Rick Phillips, applied the product at the Evaluation Center on February 12-13, 2008 as witnessed by Baldeep Sandhu, Intertek technical personnel. The material was selected in accordance with recognized independent sampling procedures.

3.2. SAMPLE AND ASSEMBLY DESCRIPTION

PlasterMax-IND is a decorative interior plaster coating that provides a protective finish over gypsum-based drywall. The PlasterMax-IND was applied to ½ in. veneer gypsum board using a trowel to a thickness of 1/8 in. of PlasterMax-IND material.

4 Testing and Evaluation Methods

4.1. CONDITIONING

Before testing, the test specimen materials were held in standard laboratory conditions for at least 21 days at a temperature of 23 ± 2°C and relative humidity of 50 ± 5%.

4.2. JOINT STRENGTH

The requirement for this testing is specified in Section 4.1 of ASTM C 587-04. Two 8 in. x 12 in. (200 mm x 300 mm) pieces of gypsum base were cut for each specimen to be tested. With the two pieces of gypsum base face down with the paper-bound edges forming a joint a piece of pregummed tape was applied over the joint. The sample was then turned face up and drywall tape and drywall compound was applied along the tapered edges, allowed to dry and a second application was put on. Once cured, a 1/8 in. layer of PlasterMax-IND was applied to the test specimens. Flexural strength was tested in accordance with Test Methods ASTM C 473 Method B, with the load applied parallel to and directly over the back of the joint. The mean breaking load in pound force was reported.

5 Testing and Evaluation Results

5.1. RESULTS AND OBSERVATIONS

The product test results, together with the applicable requirements of ASTM C 587-04 are shown in Table 1 below (refer to Appendix A for a full set of test results).

Table 1. PlasterMax-IND Physical Properties

Property	Test Result	Requirement	Pass/Fail
Mean Joint Strength, lbf	41	Parallel to surface load not less than 36	Pass

6 Conclusion

The PlasterMax-IND product identified and evaluated in this report shown the physical properties as outlined in Section 5 of this report when tested in accordance with the selected requirements of ASTM C 587-04 *Standard Specification for Gypsum Veneer Plaster*.

INTERTEK TESTING SERVICES NA LTD.

Tested/Reported by: _____
Baldeep Sandhu
Technologist, Construction Products

Reviewed by: _____
Ivo Tanner
Physical Testing Manager, Construction Products

BSS/ah

APPENDIX A: Test Data (1 page)

Intertek

Test:	**Joint Strength**		
Date:	10-Mar-08	Project No:	3144559
Client:	GigaCrete Inc.	Eng/Tech:	G. Nishio
Product:	PlasterMax IND over 1/2"Gypsum Veneer Base		
Specimen Size:	12 x 16 in. (300 x 400 mm)		
Test Method(s):	ASTM C 587-04 Standard Specification for Gypsum Veneer Plaster		
	ASTM C 473-06 Standard Test Methods for Physical Testing of Gypsum Panel Products (Method B)		
Equipment:	Instron 8516 (Intertek ID D2651; Cal Due July 2008)		
Test Speed:	1 in./min. (25 mm/min.)		
Span:	14 in. (356 mm)		
Product Thickness:	1/8" Thickness PlasterMax IND		

Specimen	Breaking Load (lbf)	Breaking Load (N)
1	48	215
2	41	181
3	35	156
Mean	41	184
Sdev	7	29
Cov	16%	16%