

Waterproofing Membrane Evaluation

for

Polycoat Products

Aquaseal 5000 WC-GC (V)

Polycoat Products 14722 Spring Avenue Santa Fe Springs, California 90670

July 7, 2016



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REPORT OF TESTS

SUBJECT: Physical Analysis of Waterproofing Membrane

PROJECT: Polycoat – Aquaseal 5000 WC-GC (V)

SPECIFICATION: ASTM C836, "Standard Specification for High Solids Content, Cold Liquid-

Applied Elastomeric Waterproofing Membrane for Use with Separate Wearing

Course"

TEST METHODS: ASTM C794, "Standard Test Method for Adhesion-in-Peel of Elastomeric Joint

Sealants"

ASTM C1305, "Standard Test Method for Crack Bridging Ability of Liquid-

Applied Waterproofing Membrane"

ASTM C1522, "Standard Test Method for Extensibility After Heat Aging of

Cold Liquid-Applied Elastomeric Waterproofing Membranes"

ASTM D2240, "Standard Test Method for Rubber Property—Durometer

Hardness"

ASTM D6411, "Standard Specification For Silicone Rubber Room

Temperature Vulcanizing Low Outgassing Materials"

MATERIAL: Shipped to NTL in April 2016 (Lot #21601550)

NTL PROJECT #: 16-1089(B)

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TEST RESULTS

ASTM D2240 - Hardness

Cast Date: May 2016

Specimen: 60-mil thick 4 x 6-in membrane cured 14 days until testing

Gauge: Type OO

Results: PASS

	Aquaseal 5000 WC-GC (V)	ASTM C836-15
Reading 1	93	
Reading 2	93	
Reading 3	90	
Reading 4	92	
Reading 5	93	
AVERAGE	92	50, minimum



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TEST RESULTS (continued)

ASTM D6511 - Weight Loss

Test Date: May 2016

Specimens: 10-gram samples tested at 158 deg. F for 72 hours

Results: PASS

Aquaseal 5000 WC-GC (V) ASTM C836-15

Specimen 1 0.3% Specimen 2 0.4%

AVERAGE **0.4%** 20%, maximum



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TEST RESULTS (continued)

ASTM C1305 - Crack Bridging

Cast Date: May 2016

Specimens: Five composite mortar specimens coated at 0.060-in dry film

thickness, cured at 73 deg F for 14 days, then 158 deg F for 7

days until testing

Cycles: 10 cycles @ -15 deg F.

Results: PASS

Aquaseal 5000 WC-GC (V) ASTM C836-15

Specimen 1 no cracking
Specimen 2 no cracking
Specimen 3 no cracking
Specimen 4 no cracking
Specimen 5 no cracking

AVERAGE no cracking no cracking @ 10 cycles



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TEST RESULTS (continued)

ASTM C836 - Section 6.8 - Film Thickness on Vertical Surface

Test Date: May 2016

Specimen: 6 x 3 x 1-in mortar specimen coated at 0.060-in thickness

tested for 24 hours

Results: PASS

	Aquaseal 5000 WC-GC (V)	ASTM C836-15
Reading 1	57	
Reading 2	55	
Reading 3	55	
Reading 4	59	
Reading 5	56	
AVERAGE	56	55-65 mils



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TEST RESULTS (continued)

ASTM C794 - Adhesion-in-Peel

Cast Date: May 2016

Specimens: Four coated composite mortar specimens cured at 73 deg F for

14 days, then 158 deg F for 7 days, then immersed in water for

7 days until testing

Results: PASS

	Aquaseal 5000 WC-GC (V)	ASTM C836-15
Specimen 1	89.7 lbf	
Specimen 2	87.2 lbf	
Specimen 3	91.2 lbf	
Specimen 4	87.2 lbf	
AVERAGE	91.3 lbf	1.0 lbf, minimum



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TEST RESULTS (continued)

ASTM C1522 - Extensibility After Heat Aging

Cast Date: Ma

Specimens: Three 6 x 3 x 0.5-in mortar specimens coated at 0.060-in dry

film thickness, cured at 73 deg F for 14 days, then 158 deg F for

14 days, then immersed in water for 7 days until testing

Results: PASS

Aquaseal 5000 WC-GC (V) ASTM C836-15

Specimen 1 No cracking at ¼-in Specimen 2 No cracking at ¼-in No cracking at ¼-in No cracking at ¼-in

AVERAGE No cracking at ¼-in ¼-in, minimum

Respectfully submitted,

NELSON TESTING LABORATORIES

Mark R. Nelson President