

Home Innovation RESEARCH LABSTM

Thermal Resistance Testing in Accordance with ASTM F462

SUMMARY REPORT

Prepared For

Gemstone

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BACKGROUND

Gemstone requested testing on one (1) shower pan in accordance with ASTM F462 standard. An agreement was entered September 28, 2018, between Gemstone and Home Innovation Research Labs, Inc.

TEST SPECIMENS

The sample materials were not independently or randomly selected for testing. The specimens were submitted directly to Home Innovation by the client. The sample materials were not damaged during shipping and were not tampered with prior to arrival. No special conditions or preparations were observed by Home Innovation. Specimens were received at Home Innovation on October 16, 2018, and testing concluded November 2.

TEST METHODOLOGY AND RESULTS

Testing was conducted, observed and documented by Home Innovation staff. The test method and equipment used was done in accordance with the ASTM F462 "Standard Consumer Safety Specification for Slip-Resistant Bathing Facilities." There was no deviation from this standard test method. One (1) shower pan specimen was tested.

Nine (9) different locations on the test specimen surface are tested with the NIST-Brungraber Tester. These locations are defined as measurement zones. Eighteen (18) measurements, two (2) in each of the measurement zones, are required to establish the slip resistance of the surface of the test specimen. The two measurements in each zone are taken without moving the NIST-Brungraber Tester.

The results of ASTM F462 provides an assessment of the static coefficient of friction with an NIST-Brungraber Tester. The required level of performance for compliance with this specification shall be a static coefficient of friction of no less than 0.04.

Sample ID: Solid Surface Shower Pan – Oct18 Qualification			
Room Temp. / Soap Temp. = 69°F / 69°F			
Average Reference Reading on Glass = 0.20			
Measurement		Static Coefficient	
Zone	Reading	of Friction	
1-1/1-2	1.25 /1.31	0.10	
2-1/2-2	1.11 / 1.12	0.09	
3-1/3-2	1.61 / 1.68	0.14	
4-1/4-2	1.05 / 1.02	0.08	
5-1/5-2	1.85 / 1.70	0.15	
6-1/6-2	1.00 / 1.11	0.08	
7-1/7-2	1.30 / 1.08	0.09	
8-1/8-2	1.05 / 1.11	0.08	
9-1/9-2	1.06 / 1.09	0.08	
Lowest Coefficient of Friction = 0.08		Pass	

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Signed for and on behalf of Home Innovation Research Labs

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