



# SMITH-EMERY LABORATORIES

An Independent Commercial Testing Laboratory

781 E. Washington Boulevard - 2nd Floor Los Angeles, California 90021 ♦ (213) 745-5333 ♦ Fax (213) 749-7232

Proj. No.: 41510-1  
Lab No.: T-13-076

June 17, 2013

CLIENT: **MEZA COMMODITIES**  
20724 CENTRE POINTE PARKWAY, UNIT 1  
SANTA CLARITA, CA 91350

Subject : **12" x 12" 1" thick Thermolock Sample** (*Burnt surface on one side*)  
Test Method: ASTM E 96 Water Vapor Transmission of Materials  
Source : Submitted to Laboratory by Client.

## REPORT OF TEST

(Adapted: Distilled Water Method Procedure B)

Tile samples were cut and conditioned as specified, then placed over the container and sealed along the perimeter with non-absorbent material. The assembly then was immediately weighed, avoiding any contact with the water inside and the test specimen. Top surface of the tile was exposed to the atmosphere. All weighing were done in a room maintained at 70°F (±5°F) and 50% relative humidity (±5% R.H.). All treatments on samples were done as per clients instructions and cured for 72 hours prior testing.

### Results:

Sample No.	Exposed Area (sq.in.)	Initial Weight (grams)	Weight after 7 Days	Water Vapor Trans (grains/hr.·ft.2)
1.	100.0	5,008.0	5,004.3	0.0740

Respectfully Submitted,

SMITH-EMERY LABORATORIES

G. Janeth Quintero  
Registered Civil Engineer No. 073066  
Registration Expires: 12-31-14  
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- Materials Tested Comply With Specifications.
- Materials Tested Did Not Comply With Specifications.
- No Established Criteria For Acceptable Limits.
- For Information Only.



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CLIENT: **MEZA COMMODITIES**  
20724 CENTRE POINTE PARKWAY, UNIT 1  
SANTA CLARITA, CA 91350

Subject: **12" x 12" x 2" thick THERMOLOCK Sample**  
Specification : General engineering principle/procedure as agreed with client for permeability.  
Source : Submitted to Laboratory by Client.

### REPORT OF TEST

The cut 6" x 6" x 2" thick sample was fitted with a 6" diameter x 12" high plastic cylinder on the finished surface; using silicone sealant for adhesion and sealing. The bottom or indoor surface was supported on a 2" x 2" x 2" thick block. After curing for 24 hours, the assembly was filled with potable water to a depth of 10.25" and observed for any leakage or water penetration for 7 days at laboratory ambient condition.

Sample No.	OBSERVATIONS
1	No dampness or formation of water on opposite dry surface for 7 days.
2	n/a
3	n/a

Respectfully Submitted,

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G. Janeth Quintero  
Registered Civil Engineer No. 73066  
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