

ASTM E96 TESTING
(WATER METHOD)
ON SUPERTHERM
FOR
SUPERIOR PRODUCTS
VTEC 100-716-3
TESTED: JULY 14, 1997



VTEC LABORATORIES INC.

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VTEC Laboratories Inc.

July 14, 1997

I. Introduction:

1) Client: Superior Products
6459 Universal Ave.
Kansas City, MO 64120

2) Attention: Mr. J.E. Pritchett

3) Scope: This report contains the reference to the test method, preparation and conditioning of sample, observation of material, test and post test observation data test results.

4) Test Method: This test was conducted in accordance with ASTM E96 specification.

4.1 This test method covers the determination of water vapor transmission (WVT) of materials through which passage of water vapor may be of importance. In Water Method the test specimen was sealed to the top of the cup containing distilled water, and then placed in a test chamber at 90°F with a relative humidity of 50% for 24 hours. The cups were weighed at the beginning and at the end of the 24 hour cycle to determine how much water evaporated.

II DISCLAIMER:

This is a factual report of the results obtained from the laboratory test of sample products. The results may be applied only to the products tested and should not be construed as applicable to other similar products of the manufacturer. The report is not a recommendation or a disapprobation by VTEC Laboratories, Inc. of the material tested. While this report may be used for obtaining product acceptance, it may not be used in advertising.

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Test No. VTEC 100-716-3


Date of Test: July 14, 1997


III Material Tested:

- 1) Manufacturer: Superior Products
- 2) Product Description: Supertherm
- 3) Color: White
- 4) Number of Specimens: 3
- 5) Surface: Smooth
- 6) Material description: by Manufacturer and VTEC
- 7) Date of selection: April 3, 1997
- 8) Purpose of test: Water Vapor Transmission of Materials
- 9) Method of sample mounting: Water Method

III Test Results

Sample 1	Weight Before Test = 508,800 mg
	Weight After Test = 508,500 mg
	Thickness of Coating = 48 mils
	P = 840.17 perm-mils
Sample 2	Weight Before Test = 504,100 mg
	Weight After Test = 503,700 mg
	Thickness of Coating = 61 mils
	P = 1,422.91 perm-mils
Sample 3	Weight Before Test = 509,200 mg
	Weight After Test = 508,700 mg
	Thickness of Coating = 52 mils
	P = 1,514.15 perm-mils


Neil Schultz
Executive Director


Amirudin Rahim
Technical Director