

TESTING LABORATORIES

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REPORT OF TESTS

SUBJECT: **Water Vapor Permeability Testing**

PROJECT: **KeimFarben - Plant Research/Certification Program**

TEST METHOD: **ASTM E 96, "Test Methods for Water Vapor Transmission of Materials"**

PRODUCT IDENTIFICATION: **Keim Royalan - White**

TEST SCOPE: The purpose of this test is to measure the amount of water vapor that transfers through a substrate applied with a coating.

TEST SPECIMENS: Three concrete masonry unit specimens were constructed and used as the substrate prisms for the application of the Keim Royalan coating product. Another concrete masonry unit specimen was constructed as the control without any coating. The specimens were then sealed over water-tight pans, each containing 200 ml of water.

TEST PROCEDURE: All four samples were initially weighed and then re-weighed at 24 hour periods over the next 4 weeks to determine the amount of water loss.

TEST START DATE: January 15, 2007

TEST RESULTS

<u>Keim Royalan</u>	
Water Vapor Transmission	5.3385 grains/ft ² *hr
Permeance	13

Respectfully submitted

NELSON TESTING LABORATORIES



Mark R. Nelson
Principal