HAUSER

ER CHEMICAL RESEARCH, INC.

March 7, 1994
Test Report No. L4-0276

CLIENT: American Polymer
155 W. 9210 South
Sandy, UT 84070
Attn: Bruce Strong

ENGINEERING SERVICES DEPARTMENT

MATERIAL: Eight concrete blocks approximately 11 in. x 11 in. x 1¾ in. Four of the blocks were coated and four were uncoated as submitted by the client.

TESTS: Water Vapor Transmission testing per ASTM E96-93 at 73°F and 50% relative humidity was conducted. The blocks were tested using the wet cup method with the coating on the outside surface.

The fourth block from each group was tested as a control.

RESULTS: The results are presented in Table 1. Graphical results are also presented in Figure 1.

The results show that the coating on the blocks acted to retard the water vapor transmission, but did not totally stop the flow of the water vapor.

TABLE 1
WATER VAPOR TRANSMISSION TEST RESULTS

Specimen No.	Water Vapor Transmission grains/hr-ft^2	Permeance US PERMS
COATED BLOCKS		
1	0.008	0.022
2	0.017	0.047
3	0.055	0.154
Average	0.026	0.074
UNCOATED BLOCKS		
1	0.091	0.256
2	0.093	0.261
3	0.089	0.251
Average	0.091	0.256

TESTS SUPERVISED BY:
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WATER VAPOR TRANSMISSION

AMERICAN POLYMER L4-0276