

Moisture and Thermal Performance of EPS

Table III
Comparison extruded PS vs EPS for moisture gain vs R-value retention

	2" EPS (1)				2" extruded PS (2)			
R-value retention (%)	94	92	90	87	94	92	90	87
Moisture gain (% by volume)	5.0	6.0	7.0	8.6	0.35	0.53	0.71	1.06

(1) Values from reports by the National Bureau of Standards at vapor pressure differential exposure of 1.94 in. Hg and B.U.R. cold-side vapor barrier

(2) Values from reports by CRREL of U.S. Army Corps of Engineers at vapor pressure differential exposure of 1.03 in. Hg and no vapor barrier on either side

BASF Corporation
100 Cherry Hill Road
Parsippany NJ 07054
(201) 316-3000
800-526-1072

BASF