

HUMIDITY TEST ON FOAMKORE GREEN

Product was tested at NCSU Product Testing and Evaluation Laboratory

Test date: September 2012

Product: Foamkore Green – FK75HB08

Consist of 2mm Hardboard face materials and XPS Styrofoam core

Objective: To determine the effect of humidity changes on the Foamkore materials

Process:

1. Sample was measured as received in 6 locations
2. Sample placed in chamber at 25% RH for 24 hours and measured
3. Sample placed in chamber at 50% RH for 67 hours and measured
4. Sample placed in chamber at 75% RH for 25 hours and measured

Results: As shown in charts below

FK75HB08-1	Thickness				Width	Length
	1	2	3	4		
As Received	0.765	0.767	0.764	0.767	4.027	6.517
25% for 24 hr	0.763	0.765	0.762	0.765	4.025	6.512
50% for 67 hr	0.763	0.766	0.762	0.766	4.026	6.518
75% for 25 hr	0.766	0.768	0.765	0.768	4.029	6.524

FK75HB08-2	Thickness				Width	Length
	1	2	3	4		
As Received	0.764	0.766	0.763	0.767	4.029	6.520
25% for 24 hr	0.762	0.764	0.761	0.764	4.026	6.513
50% for 67 hr	0.763	0.764	0.761	0.765	4.028	6.517
75% for 25 hr	0.766	0.767	0.764	0.767	4.031	6.523

FK75HB08-3	Thickness				Width	Length
	1	2	3	4		
As Received	0.763	0.765	0.763	0.764	4.024	6.516
25% for 24 hr	0.761	0.763	0.761	0.762	4.021	6.511
50% for 67 hr	0.762	0.763	0.762	0.763	4.024	6.517
75% for 25 hr	0.765	0.766	0.765	0.766	4.028	6.523