



## Paper Conditioning Recommendations – Acclimating Paper for the Pressroom

Our product is manufactured to lay flat when the ambient environmental conditions are at a temperature of 70°F (21°C) and 50% relative humidity. These conditions represent typical and/or recommended environmental conditions for a pressroom.

All grades and products are shipped in moisture-resistant packaging to ensure dimensional stability and flatness. Since temperature extremes vary during transit and storage, paper should be allowed to acclimate to pressroom environment in original skid, roll, carton, or ream wraps and should not be opened until going to press.

Acclimation time is relative to the temperature differential between pressroom and paper in conjunction with the volume of paper in question. The chart below indicates reasonable times to acclimate paper to the pressroom's temperature *prior to unwrapping the product for printing*.

		Cubic volume of paper				
		6 cubic ft	12 cubic ft	24 cubic ft	48 cubic ft	96 cubic ft
Temperature Difference From 70 deg F	10	5 hours	9 hours	11 hours	14 hours	15 hours
	15	9 hours	14 hours	16 hours	19 hours	20 hours
	20	12 hours	18 hours	23 hours	26 hours	27 hours
	25	15 hours	22 hours	29 hours	32 hours	34 hours
	30	18 hours	27 hours	35 hours	38 hours	41 hours
	40	25 hours	38 hours	48 hours	54 hours	57 hours
	50	35 hours	51 hours	67 hours	75 hours	79 hours
	60	54 hours	79 hours	100 hours	109 hours	115 hours

\* Determine cubic volume of paper by multiplying length x width x height (in inches) and dividing by 1,728

\*\* The difference between the pressroom temperature and the paper temperature on arrival

For calculation you may compare the outdoor temperature with the temperature of the room in which the paper will be opened. The times are the number of hours the paper should stand unopened for its temperature to come into balance with the pressroom temperature.

Extremes in relative humidity may cause the paper to curl or develop tight or wavy edges, depending on whether the relative humidity is high or low.

Monadnock Paper Mills will not accept responsibility for these problems when the pressroom is below 40% or above 60%. After packaging is opened, the paper mill cannot be held responsible for problems due to moisture imbalance or other environmental conditions adversely affecting the paper in the printer's facility.