

Temperature and Relative Humidity

The chart below indicates reasonable times to acclimate paper to the pressroom’s temperature prior to unwrapping the product for printing. Extremes in relative humidity may cause 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’s relative humidity is below 35% or above 60%.

Temperature Difference **	Cubic volume of paper on skids or in cartons *				
	6 cubic ft	12 cubic ft	24 cubic ft	48 cubic ft	96 cubic ft
10°	5 hours	8 hours	11 hours	14 hours	15 hours
15°	9 hours	14 hours	16 hours	19 hours	20 hours
20 ^a	12 hours	18 hours	23 hours	26 hours	27 hours
25°	15 hours	22 hours	28 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	78 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 press-room temperature.