Temperature Conditioning Printing Paper

General Temperature Conditioning Chart for Printing Paper

Temperature Difference →

Cubic Feet ↓	10°	15°	20°	25°	30°	40°	50°	60°
6 cubic feet	5 hrs	9 hrs	12 hrs	15 hrs	18 hrs	25 hrs	35 hrs	54 hrs
12 cubic feet	8 hrs	14 hrs	18 hrs	22 hrs	27 hrs	38 hrs	51 hrs	78 hrs
24 cubic feet	11 hrs	16 hrs	23 hrs	28 hrs	35 hrs	48 hrs	67 hrs	100 hrs
48 cubic feet	14 hrs	19 hrs	26 hrs	32 hrs	38 hrs	54 hrs	75 hrs	109 hrs
96 cubic feet	15 hrs	20 hrs	27 hrs	34 hrs	41 hrs	57 hrs	79 hrs	115 hrs

Chart courtesy of Lithographic Technical Foundation

To Use Chart:

- Determine the cubic volume of paper by measuring the length, width , and height (in inches) of the paper as stored. For example, a pallet with 16 cartons should be measured as one unit. A skid would be a single unit. Multiply length x width x height, then divide by 1728 to convert from cubic inches to cubic feet
- Determine the pressroom temperature.
- Determine the temperature of the paper. Preferably use a temperature probe and actually measure it. As alternative would be to use the outside temperature.
- Subtract the paper temperature from the pressroom temperature to find the temperature difference.
- Find the cubic feet of paper on the left side of the chart and match it with the temperature difference on the top of the chart.
- Let the paper acclimate in the pressroom environment for the full time indicated by this chart.