



## Carriage House Paper

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### DIRECTIONS FOR SIZING

Carriage House Sizing is a ketene dimer emulsion that has a neutral pH and meets archival standards. It is an internal sizing, added to the pulp at the end of the beating or mixing cycle to make the finished paper less absorbent, so that ink or paint does not run or feather.

Sizing should be refrigerated in order to retain maximum efficacy. Its shelf life is at least eight months; the sizing is not 'spoiled' after that time, but you may have to increase the amount used. Sizing should never be frozen!

#### Amounts:

For sheet forming we normally use one ounce of sizing per pound of pulp.

Equivalencies:       **2 tablespoons of sizing per lb. of pulp**  
                                  30 grams of sizing per 450 grams of pulp

For art work, when we want the finished product to be practically waterproof, we often double or triple this amount of sizing.

#### Method:

Add the amount of sizing you plan to use to a cup of water and mix well. Then add this solution during the last few minutes of the pulp's beating cycle; (either in a Hollander beater, a hydropulper, or another mixing device.) The sizing solution may also be added to a pail of pulp and mixed manually.

The action of the sizing (it makes paper less absorbent, in other words, promotes water repellancy) may take a week to develop properly in the finished paper. This is speeded up by application of heat. Therefore, if you want to test out ink on a newly made sheet of paper, either wait a few days for the sizing to develop completely, or iron the paper with a medium-hot iron and then you can test it immediately.

Note: if you are also coloring pulp, using Carriage House retention agent and Carriage House pigments, we recommend following the coloring procedure first; when you obtain the intensity of color that you want, then add sizing.