



PRESERVATION Solutions

KLUCEL G

Uses: Klucel G is a leather and paper consolidant that comes in a powder form. When mixed with denatured alcohol or isopropanol (isopropyl) alcohol, it forms a gel (also known as Cellugel) which is used to treat leather that is starting to deteriorate. Deteriorating leather, also called “*red rot*”, is fragile and powdery with the appearance of a “reddish color”. *Red rot* leather will transfer to anything that it touches. The Klucel G will consolidate the *red rot* area and leave a permanent, flexible webbing throughout the leather to strengthen and extend the life of the leather. It is excellent for treating deteriorated leather books.

Dissolving Klucel G: Use 85-100% isopropyl alcohol at room temperature. Never heat alcohol by stove, microwave or open flame. Do not use water to mix the Klucel G as water will cause further deterioration and could stain the leather and paper. Slowly sprinkle the Klucel G in the alcohol and stir or shake to mix. The mixture will appear clumpy and thick at first, so continue to shake every few hours. Allow the Klucel G to completely dissolve in the alcohol for a minimum of 24 hours. It is slow to blend and may take longer. It is suggested to mix and store Klucel G in a sealed container to prevent evaporation of the alcohol. Be sure to mix or shake again prior to applying.

As a Leather Consolidant: Use 1 teaspoon of Klucel G for each 4 ounces of liquid alcohol. Prepare the mixture according to the directions above and gently apply an even coating to the affected area of the leather using a small paint brush. If the leather still appears to be brittle or powdery after the first application has dried, an additional application may be applied. Use a thin coating, as too heavy an application may darken the leather.

Note: Klucel G is not a leather dressing, we recommend using *Restoration Leather Conditioner* to condition your leather after treating with Klucel G. This is a conditioner formulated specifically for treating antique and fragile leather as it does not contain water, which can promote further deterioration.

A Solution to Reinforce Paper: Use ½ teaspoon of Klucel G for each 4 ounces of liquid alcohol (half the amount for leather treatment). With a small paint brush carefully apply a thin, even coating of the mixed gel to your paper and allow to dry.

DISCLAIMER: Being that leather is a natural material and is susceptible to varying degrees of deterioration, shrinkage, experience of the user and may be applied under conditions beyond our control, as seller, we make no warranty expressed or implied as to this material or its use. All information stated here is accurate to the best of our knowledge and is based on thorough testing.

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