

## **63114 Isinglass cleaned**

Today, due to its excellent adhesive properties and elasticity, Isinglass Glue is mainly used as a strengthening agent in restoration. In the past, this glue was also used as a binding agent in book painting or barrel painting, for the production of hausen's bladder pictures or as an adhesive in bookbinding. The preparation of the glue is relatively complex, therefore Kremer Pigmente has produced ready-to-use and storable glue sticks for you. The dried isinglass (63110) was crushed and swollen in demineralized water, kneaded, melted in a water bath, filtered and then poured into sticks. Kremer's Isinglass Glue can be crushed as needed, dissolved in warm water and used.

## **Isinglass Glue cleaned**

Isinglass glue, which is made from the inner membrane of the fish's air bladder, has long been used by Russian restorers as a fixing and gluing agent. The isinglass has a higher adhesive power and low viscosity than comparable animal products such as gelatin and rabbit glue. Place appropriate amounts of dry isinglass in a glass or enamel vessel, cover with water, then allow to swell for several hours. Pour off excess water, squeeze out glue mixture and knead to a uniform consistency. Transfer the glue to a water bath and cover with fresh distilled water.

Slowly heat the water bath to 60° C while stirring constantly (CAUTION: Do not overheat the glue solution!) until the glue is dissolved (the time depends on the amount of glue). Then remove from the fireplace and strain through a thin (cotton) cloth if necessary. A preservative can now be added, but experience has shown that it is better to make only the amount of glue currently needed at a time. Residual glue solution can be stored in the refrigerator at 5-6° C for a few days, but the cooled solution will gel (but can be liquefied again before use). If a plasticizer is necessary, Russian restorers add dark wildflower honey to the glue solution - usually the weight of the honey is equal to the weight of dry isinglass.