

# OldWood

## 1.- Sealing the wood. Protein insulation

The main goal of this treatment is to homogenize the wood porosity and form a barrier in order to obtain a more regular and controlled penetration of the grounds. This step is important to avoid colour patches from the uneven penetration of products applied after this.

This step consists of the application of a solution containing one or more protein compounds on the clean wood. These compounds may be from animal origin (glue, gelatine, albumin, casein, egg yolk, etc.) or vegetable origin (gum arabic, tragacanth, cherry tree gum, sarcocollin, fig tree sap, etc)

OLD WOOD suggests isolating the wood by applying a 2-3% gelatine water solution. For spruce, apply two or three coats of this solution; for maple, one or two are enough.

The Technical Gelatine is a pure form of glue made from delicate animal tissues and which is refined with greater care and purity than ordinary glue. It is sold in thin colourless sheets or in powder form. From a chemical viewpoint, the complex proteins making up the glues can be divided into two classes.

- Chondroitin: Responsible for the glues' adhesive properties.
- Glucosamine: Responsible for their gelatinous nature.

Gelatine contains more glucosamine and less chondroitin than glue. Its properties are more gellative than adherent. Gelatine, glue or casein will degrade at a temperature of above 53° C, changing colour and losing a large part of their adherent properties.

## TECHNICAL GELATIN

### Application instructions

- 1.- Dissolve 2-3 gr of Technical Gelatin in 100 ml of warm water (40-45 °C). The solution must be fresh for use.
- 2.- Apply using a sponge or brush. Spread the product evenly on the surface for varnishing.
- 3.- Special conditions for drying are not needed. It is possible to use an hair-dryer to accelerate the process.
- 4.- Before applying a second layer, rub down the surface with a clean linen cloth to make it softer.
- 5.- When the last layer is totally dry, rub again with the cloth. If an excess of product exists you will be able to see a shiny film on the wood. Clean this area again with a wet cloth and let it dry.

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