

98156 – 98157 Kölner Instacoll

Interior and Exterior Gilding with the Kölner Instacoll gilding system.

The system exists of two components: Base (#98157) and Activator (#98156).

Range of application: exterior gilding, interior gilding

Usable golden kinds: all real kinds of gold leaf, silver leaf, palladium leaf and white gold

The drying and open time of this adhesive depend on the kind of material, the ambient air temperature and the air humidity. The ideal processing term is around 15 – 25 °C and an air humidity of 45 – 60 %. We recommend to always carry out extensive tests before final application of the products.

The surfaces must be cured, dry and free from dust and grease. Surfaces must be machined in such way that they are also weather-resistant without gilding. When gilding on metal surfaces the surface must be preprocessed with primer and two layers of high gloss finish (advice: color RAL 1001). These layers must be dried completely. The primer and the high gloss finishing works as isolation layer to prevent contact corrosion. (Caution: Never apply Instacoll Base on powder coating use always first a primer).

Application of Instacoll Base with brushes

Instacoll Base must be applied evenly with synthetic fiber (Toray) brushes. Instacoll base can be thinned with water. The product doesn't need to be thinned at temperatures between 15 °C and 25 °C. Between 5 °C and 15 °C the product must be thinned slightly. The product must not be used at temperatures below 5 °C. At temperatures higher than 25 °C only small surfaces can be finished. Apply Instacoll Base generously. When the product is not applied generously enough, visible brush marks may remain. After the first layer is dried, a second layer can be applied in order to improve the equality of the surface. The danger of wrinkling after gilding increases when the layer is applied too thick in one time.

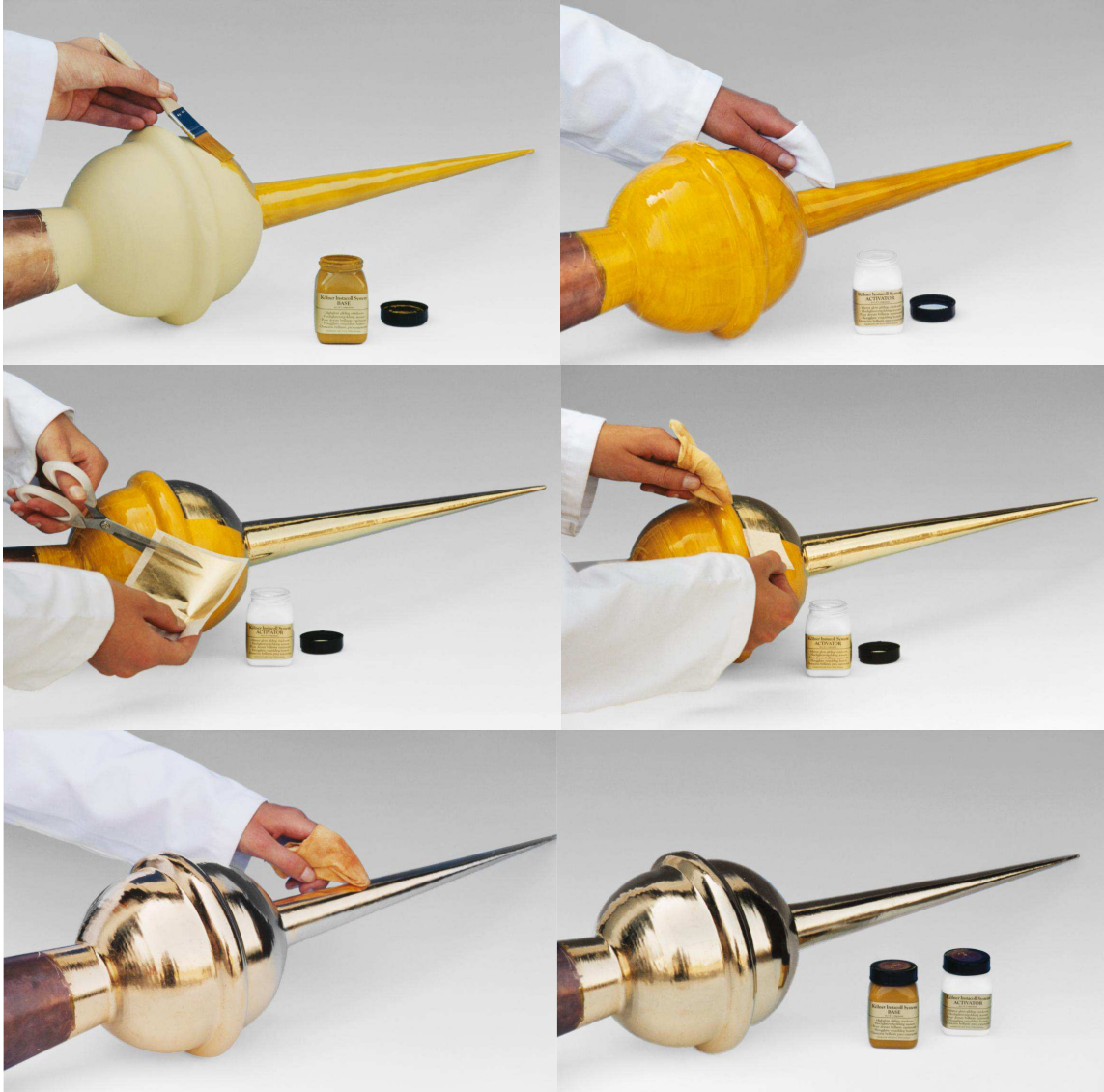
Drying time

At a temperature of about 20 °C the drying time is minimum 1 h but 3 h are suggested. The drying time must be extended in conditions of low temperatures and high humidity. The drying of the layer can be tested as follows: Take a tissue paper from a gold leaf booklet and firmly press this on the layer. If the layer is dry enough the tissue paper won't stick.

Application of Instacoll Activator and gold leaves

When the Instacoll Base layer is dried, the Instacoll Activator can be applied. The application of the Activator can be applied at any time, even months later. Use for the application a tissue that is drenched in Instacoll Activator or a brush. Apply a very thin coat of Instacoll Activator on a size of surface which can be covered with gold leaves within 60 minutes. (Please note: after 60 minutes the adherence decreases and the likelihood of gold leaves to adhere less superbly will increase.) Instacoll Activator dries in about 5 to 10 minutes. As soon as the Instacoll Activator layer is dried, the Instacoll Base layer will be activated with superbly adherence for gold and silver leaves to achieve high gloss gilding. Firmly press the gold leaves down with an Instacoll Tissue. For working on surfaces with reliefs, the handy Instacoll Tool can be used. This tool allows to push the gold leaves into deepenings. Leaves are to be applied overlapping so that whole surface is covered. During the processing time the edges of the leaves can be fit into each other by polishing the surface with a soft tissue under gently pressure and rotating movements. All applied gold leaves must be pressed down and be burnished. Surfaces that are activated with the Instacoll Activator but not covered with gold leaves must not be touched because the adherence will decrease when touching. (Tip: use the special Instacoll Tissues.) Agate burnishing is not possible.

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