



KOLNER INSTACOLL GILDING SYSTEMS Classic and High Active

DIRECTIONS

Kolner Instacoll classic system was developed in 1990 for interior and exterior gilding projects. Instacoll achieves a super shine/mirror gloss finish without agate burnishing. Instacoll has been fully tested and meets the requirements for long lasting exterior gilding.

Kolner Instacoll gilding system consist of two components:

- Instacoll Base, available in yellow or clear
- Instacoll Activator

Preparation:

- surface must be clean, free of oils, dust and dirt.
- prime surface with an appropriate primer, then two coats of compatible high gloss finish. These layers must be dried completely. Never apply Instacoll Base directly on powder coated surfaces.
- lightly abrade surface with ultra-fine scuff pad, such as *ScotchBrite*.

Apply Base:

- thin Base 3-5% with water when brushing (a few drops for a 50 ml bottle)
- apply evenly with a Kolner synthetic fiber brush, between ambient temperatures of 45-75°F.
- to spray, thin 5-10% with water, using an HVLP gun with an aperture of 1-1.5mm.
- apply product generously to avoid brush marks. After the first layer is dry, a second layer can be applied to improve the surface quality.
- let dry a minimum of 1 hour, preferably let dry 3 hours at 75°F, 50% humidity.
- brush clean up while still wet with warm, soapy water.

Apply Activator:

- apply Activator when the Instacoll has dried. It can be applied up to 1 year later.
- apply using synthetic fiber brush or a lint free cloth soaked with Activator.
- apply a thin coat of Activator on an area that can be gilded within 60 minutes. The Activator is ready to gild in 5-10 minutes. For gilding large surfaces apply Activator every half hour for continuous gilding. Don't touch the activated area as this will decrease leaf adhesion. If you lose tack, Activator can be re-applied.

Gild:

- As soon as the Activator has dried, it's time to gild.
- Press the leaf down firmly. Patent leaf works extremely well as one can press down on the transfer paper. For loose leaf, press down with the Kolner Burnishing Chamois. For working on surfaces with relief, use the Instacoll Gilding Presser to push leaf into recesses.
- When the whole surface is covered with leaf, it's time to remove the excess leaf and burnish the surface. Using the Kolner Burnishing Chamois, firmly press down on all leaf overlaps. Then using gentle pressure with the Chamois, rub the surface in circular motions to improve adhesion and remove excess leaf. In the process the leaf will become as bright as traditionally burnished gold.

Kolner Instacoll Matt – interior use only

Matt works the same way as the Instacoll base except that it produces a matte finish. It can be mixed with Instacoll Base to produce different degrees of brilliance. The Matt can also be applied over the Instacoll Base to produce decorative designs that produce matte and burnished effects like a water gilded picture frame.

- Apply Matt Instacoll as you would Instacoll Base.
- Let dry for a minimum of 3 hours.
- Apply Activator and let dry 5-10 minutes.
- Gild as above

Note: to create an alternating matte and shiny decorative surface, apply low tack tape to fully dried Instacoll Base. Paint Instacoll Matt between the masked areas. When dry, remove the tape, apply the Activator and gild the entire surface. This technique can also be done in reverse.

Kolner Instacoll Gilding System HA (high adhesion)

Instacoll HA provides slightly stronger adhesion for gold leaf with a weight of 20gm+. HA is available in gray, appropriate for silver and palladium. The application of Instacoll HA is the same as Instacoll Base with the exception of a slower drying time. HA must dry a minimum of 48 hours before it can be activated with Instacoll Activator HA.

Weather resistance:

Gilded surfaces can immediately be exposed to mild weather. Adverse weather conditions such as low temperatures, rain, snow or hail will slow the drying times. Over time, the gloss level of exterior gilding may fade slightly, but will always be shinier than traditional oil gilding.

Some time may be needed to master the Instacoll gilding system, but after a few test pieces you will achieve the benefits and brilliant sheen all gilders desire.

The Kolner line of water-based products includes:

Rapid size: gilding letters on stone.

Permacoll size: gilding with non-precious metal leaf.

Miniatum size: gilding on paper, vellum, leather.

Miniatum ink: creates fine lines when used with a calligraphy pen.

Ceramic size: gilding on porcelain and ceramics.

Burnishing Clay (brushable) and Insta-Clay (sprayable): one product replaces the gesso and bole layers of traditional water gilding.