

Insta-Clay



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A single process base for water gilding, this new product eliminates the need for glue size, gesso and bole. Developed by Kölner-GlanzGold-Grund to meet the demanding needs of the commercial producer of gilded objects, **Insta-Clay** is used to prepare moldings and other items for gilding. It replaces the complex and labor intensive steps associated with traditional gilding methods.

Insta-Clay is a cost effective sprayable, water soluble gesso with pigments and an acrylic binder, producing excellent results on a wide range of gilding projects. The high solids content guarantees excellent coverage when applied by a low pressure sprayer. Gold and silver leaf are applied using standard techniques of water gilding. The **Colnasize Concentrate** is the appropriate "gilder's liquor" for water gilding on **Insta-Clay**. Available in traditional red, ocher, blue, white and black colors.

Use at room temperature.

Smooths easily before the application of leaf.

Requires minimal surface preparation and sanding.

Two Spray coats are sufficient for most applications.

Excellent filling capabilities, even on open grained woods.

Directions

1. Stir thoroughly before use to incorporate any pigment that may have settled.
2. To prepare all colors of **Insta-Clay** for spraying, add 10% water by weight. Mix well but avoid foaming.
3. Clean, smooth, raw wood can be sprayed directly. Although **Insta-Clay** has been formulated for direct application, some woods may require a sealer. Primer-P is the ideal sealer and provides a strong bond between raw wood and **Insta-Clay**.
4. Spray the first coat on thickly enough to achieve a uniform film covering the entire surface. Hold the nozzle perpendicular and close to object. A low-pressure, high-volume unit with a nozzle opening of approximately 1.5mm is recommended. If using a high pressure unit, use at a 2 to 5 atmospheres pressure, with a nozzle opening of 1.5 to 2mm.
5. Allow the first coat to dry to a matte sheen. If the film is too thick, accelerated drying may cause cracking. Testing should be performed, if accelerated drying above 50°C is to be used.
6. Do not allow the first coat to dry completely. If the first coat has dried completely, moisten the surface prior to application of the second coat.
7. In most cases no sanding is required between coats. Where raised grain or drips are visible, sanding is recommended to level and smooth the surface between coats.

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8. Apply the second and final coat while the first coat is still damp. A uniform spray film is important. For complex moldings use a soft saturated brush to smooth out any sags or runs.
9. The surface can be smoothed using a Dry, Wet or Alcohol method prior to gilding.

Dry - Smooth the surface with 400 grit sandpaper or 0000 steel wool, followed by a final polishing with a horsehair cloth.

Wet - Smooth the surface with 400 wet/dry sandpaper using a minimum amount of water to avoid swelling the surface. Remove the wet slurry and, when dry, polish with horsehair cloth.

Alcohol - Rub the surface with a cotton cloth moistened with ethanol or methanol (poisonous) until the surface is smooth. Then rub with a dry cotton cloth. Allow the alcohol to evaporate for at least one half hour before proceeding.

10. The standard **Colnasize Concentrate** recipe is the recommended "gilder's liquor" for water gilding an **Insta-Clay** surface. Wet the surface very well, flooding it several times before applying leaf.

Wait at least two hours, then test a small area to determine if it is ready for burnishing. Best results are usually obtained when items are burnished within 24 hours. If the surface contains too much moisture, the burnished area will turn cloudy. If the surface is too dry, the burnishing may scratch the leaf. In many cases, burnishing can be accomplished a few days after gilding.

For further details concerning gilding and burnishing see the technical data sheet for **Colnasize Concentrate**.

Store in closed containers in a cool but frost free environment. To ensure maximum shelf life, do not returned unused solutions to the original container.

Insta-Clay has undergone extensive development and testing. It is formulated for use as described above, and except for the addition of water, should not be modified in any way. Despite extensive experience and constant observation of surfaces leafed with Insta-Clay, the recommendations herein are non-binding, as the use and method of application, as well as, the proper preparation of the surface are beyond our control. The findings described are based on the results of several months of experiments under controlled laboratory conditions.

This instruction sheet includes the latest technical and research information prepared by Kölner-GlanzGold-Grund, with support from Sepp Leaf Products. Since Kölner-GlanzGold-Grund, nor Sepp Leaf Products, can control the use of this product, the user assumes all responsibility for the results obtained. Experimentation on a test object of all steps involved is recommended before working on the object to be gilded.