

Kölner KGGG system – FOND

100 ml – 500 ml - 1000 ml – 4000 ml

Burnishing Clay

Formulated for brush application, Kölner Burnishing Clay is a water-based burnishable gesso primer for gold, silver and composition leaf.

This product - available in 7 colors- is ideally suited for creation of water gilded and burnished frames, interior architectural elements and furniture ornaments, to achieve a traditional look for less effort.

Advantages:

- combines the properties of gesso and bole in one pre-mixed, brushable solution; available in several traditional bole colors as well as in white, which can be colored with Mixol tinting pastes.
- is applied at room temperature
- due to the high solids content, only three or four coats are needed
- there is no limit on burnishing, and even composition leaf can be burnished.
- dries to a hard finish, comparable to traditional gesso
- can be thinned with water and contents organic solvent < 3%.

Limitations:

- though water resistant, Kölner Burnishing Clay is not waterproof and will swell if soaked; therefore use only on interior surfaces (use Instacoll for exterior applications).
- susceptible to alkaline cleaners (e.g. containing ammonia, alcohol, acetone and other polar solvents).

Properties:

mix ratio: To ensure greater storage stability, Kölner Burnishing Clay is a thixotropic material, and must therefore be stirred thoroughly before use to convert it from gel-like viscosity to a more free-flowing consistency, comparable to an alkyd paint. Depending upon the intended use, it can be thinned with up to 15% water, by volume.

Drying time:

Being water based, the drying time will be affected by temperature and relative humidity. Recoating can occur after the entire surface has lightened in color even though it may still feel cold to the touch.

Under normal conditions, small objects can be prepared for gilding in half a day.

Color:

Kölner Burnishing Clay is available in the traditional bole colors. All colors can be intermixed. If additional tones are desired, use Mixol tints but only with Sorte -C- (white). But do not add more than 5 % by weight, otherwise some properties may be affected.



Storage:

There is a shelf-life of at least 1 year at room temperature. To ensure maximum shelf-life, never return leftover solutions to original container! Kolner Burnishing Clay is freeze-thaw stable, which means that it will not be damaged should it have been frozen once during transport. Allow to come to room temperature, add a small amount of water and stir thoroughly.

Application:

For satisfactory adhesion, surface must be dust, grease and corrosion free. Glossy surfaces should be sanded to ensure bonding. Substrates for Burnishing Clay include wood and wood products, plaster, composites, plastics and nonferrous metals. With some plastics and metals, a primer is recommended to assure good adhesion. Most porous surfaces require a sealant. Einlaßgrund-P was especially designed as sealant for Kolner Burnishing Clay and is recommended for all porous surfaces.

Thin material with 5 % to a maximum of 15 % with water. Using a good quality, soft bristle brush, apply the first coat liberally. After making sure that all surfaces are covered, smooth out brush strokes by going over entire surface with a thin coat, in the direction of the woodgrain. Await a lightening in color before applying a second coat. Where raised grain or drips are visible after the second coat has dried, sanding is recommended. Apply a total of 3 or 4 coats, allowing to dry in between coats.

Sanding:

There is no substitute for careful sanding if blemish-free gilded surface is desired. After proper drying the surface can be sanded wet or dry. In either case high quality aluminium oxide- or silicon carbide paper should be used! Many prefer sanding wet, starting with 320 grit, moving to 400 and finishing with 600 grit, wiping off the slurry with a damp cloth in between. Avoid puddling of water! Final gentle polishing with alcohol moistened cloth will produce an absolutely smooth and well prepared surface. Whichever method chosen, do not try to speed the process by using cheap, coarse garnet paper or exerting excessive pressure. This only scratches the clay and removes too much of it, requiring recoating.

Leafing:

Gild with leaf using Colnasol Size. Gilding is similar to traditional water gilding except that Burnishing Clay wets out less readily than traditional gesso - saturate your object section by section; re-wet immediately prior to laying the leaf, such that there is a thin film of Colnasol Size over the section.

Burnishing:

The size under the leaf must be completely dry. Drying time depends on metal thickness, temperature and humidity. For more details about leafing and burnishing see directions of Colnasol Gel Concentrate.

We are at your disposal for any further information. Please do not hesitate to contact us.

