

Kölner Instacoll System

The Kölner Instacoll System is available in different variations and allows excellent gilding with real gold leaf.

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.

| High gloss gilding | Matt finishing gilding |
|---|---|
| for the inside and outside area NEW with the HA-System (HA = High Active) with gold leaf of extra thick quality, as well as silver leaf and palladium leaf with HA-System grey. | mainly for the inside area Matt and gloss can be mixed in all quantities, therefore the degree of shine can be determined by yourself. |

The system consists of 2 components: the BASE and the ACTIVATOR

The BASE is applied with a special Kölner synthetic brush or a spray application.

After the base layer has dried—which can last up to 1 hour—it is possible to gild for 1 hour.

For a longer lasting or later gilding, the surface can be reactivated with the ACTIVATOR. The activator should be applied in a very thin layer, so that the surface is reactivated again for the metal adhesion. That activation can still be applied or repeated after a long time. The activation is dry after a few minutes. Thereafter, the treated surface is receptive for gold leaf for at least 1 hour. The adhesion occurs through pressure.

Detailed instructions are enclosed with the products.



Kölner Instacoll System Base for high gloss gilding

| Article number | Size | Colour | Price in € |
|----------------|---------|--------|------------|
| 10012501 | 100 ml | clear | 11,18 |
| 10012505 | 500 ml | clear | 47,32 |
| 10012510 | 1000 ml | clear | 83,78 |
| 10012540 | 4000 ml | clear | 322,42 |
| 10052601 | 100 ml | yellow | 11,18 |
| 10052605 | 500 ml | yellow | 47,32 |
| 10052610 | 1000 ml | yellow | 83,78 |
| 10052640 | 4000 ml | yellow | 322,42 |



Kölner Instacoll System Base for matt finishing gilding

| Article number | Size | Colour | Price in € |
|----------------|---------|--------------|------------|
| 10102701 | 100 ml | clear, matt | 13,07 |
| 10102705 | 500 ml | clear, matt | 55,36 |
| 10102710 | 1000 ml | clear, matt | 98,03 |
| 10102740 | 4000 ml | clear, matt | 401,95 |
| 10152801 | 100 ml | yellow, matt | 13,07 |
| 10152805 | 500 ml | yellow, matt | 55,36 |
| 10152810 | 1000 ml | yellow, matt | 98,03 |
| 10152840 | 4000 ml | yellow, matt | 401,95 |

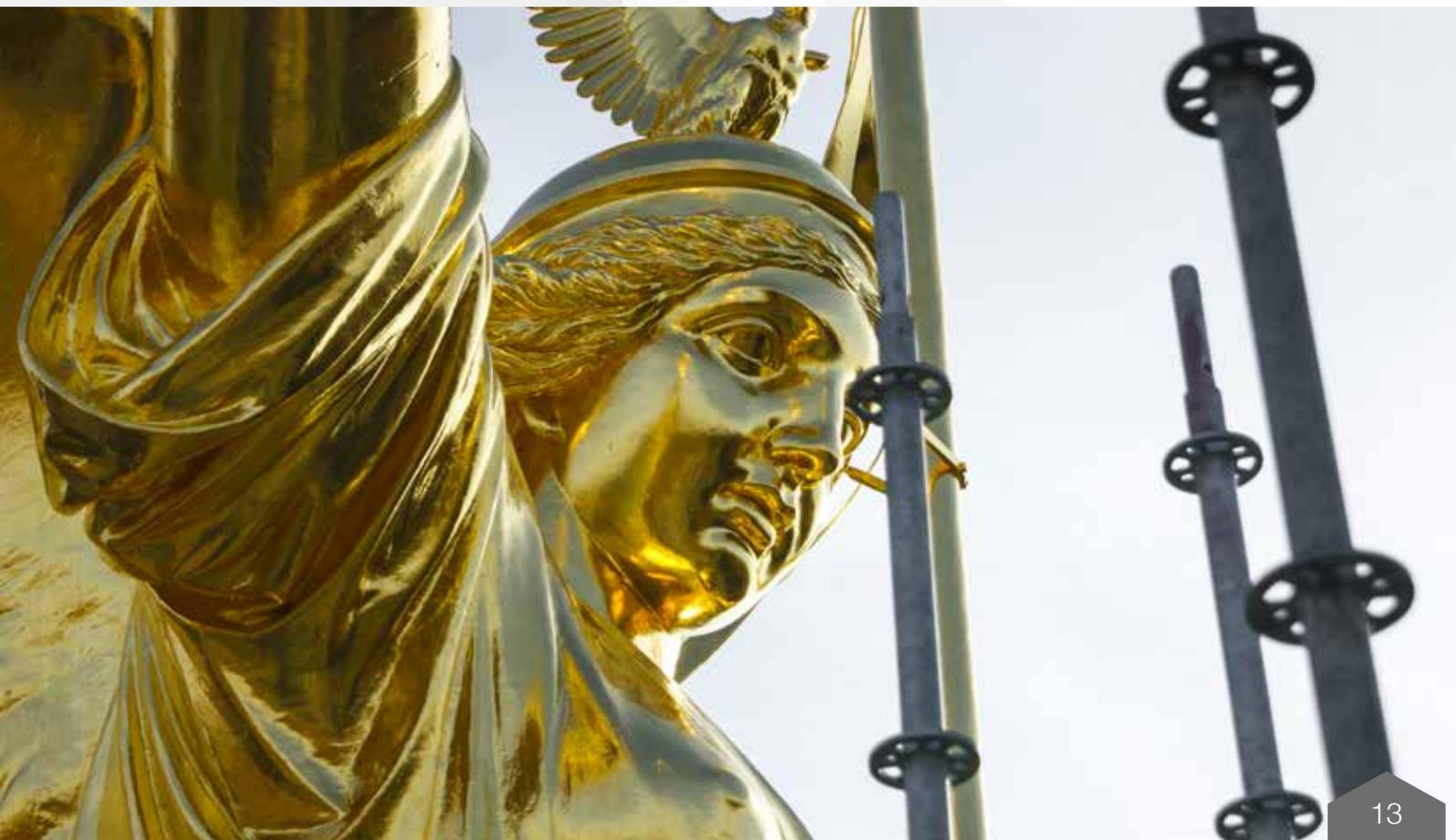


Kölner Instacoll System Activator

| Article number | Size | Price in € |
|----------------|---------|------------|
| 10202901 | 100 ml | 7,24 |
| 10202905 | 500 ml | 19,54 |
| 10202910 | 1000 ml | 34,28 |
| 10202940 | 4000 ml | 123,31 |



Victory Column, Berlin · Kölner Instacoll Base HA



Kölner Instacoll System Base for high gloss gilding – HA - high active

| Article number | Size | Colour | Price in € |
|----------------|---------|--------|------------|
| 10253001 | 100 ml | clear | 12,61 |
| 10253005 | 500 ml | clear | 53,37 |
| 10253010 | 1000 ml | clear | 94,50 |
| 10253040 | 4000 ml | clear | 363,69 |
| 10303101 | 100 ml | yellow | 12,61 |
| 10303105 | 500 ml | yellow | 53,37 |
| 10303110 | 1000 ml | yellow | 94,50 |
| 10303140 | 4000 ml | yellow | 363,69 |
| 10353201 | 100 ml | grey | 12,61 |
| 10353205 | 500 ml | grey | 53,37 |
| 10353210 | 1000 ml | grey | 94,50 |
| 10353240 | 4000 ml | grey | 363,69 |



Kölner Instacoll System Activator for high gloss gilding – HA - high active

| Article number | Size | Price in € |
|----------------|---------|------------|
| 10403301 | 100 ml | 8,17 |
| 10403305 | 500 ml | 22,03 |
| 10403310 | 1000 ml | 38,67 |
| 10403340 | 4000 ml | 139,09 |



Equipment:

Kölner Instacoll Tool (p. 34)

Kölner Instacoll Tissue Set (p. 34)



Kölner PERMACOLL SIZE

- Adhesive size for metal leaf
- Anlegemittel für Blattmetalle
- produit d'adhérence pour feuilles métalliques
- Hechtmiddel voor bladmetalen
- Aglutinante para hojuelas metálicas

manufactured under licence: Kölner-Germany

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Kölner PERMACOLL PATINA

- Patina for metal leaf
- Patina für Blattmetalle
- Patine pour feuilles métalliques
- Pátin para hojuelas metálicas

Made in Germany

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Köln Permacoll

Permanent contact adhesive on acryl base. It is usable for interior applications only. It has more adhesive strength than Instacoll and is therefore particularly well suited for gilding with imitation metal leaf, like Dutch metal aluminium and copper (gold leaf can be applied as well. However, this gilding does not shine much). This high-quality adhesive ensures a special shine for all metal leaves. A poliment gilding effect can also be easily imitated with the red Permacoll.



Köln Permacoll Size

| Article number | Size | Colour | Price in € |
|----------------|---------|--------|------------|
| 10803701 | 100 ml | clear | 6,76 |
| 10803705 | 500 ml | clear | 20,29 |
| 10803710 | 1000 ml | clear | 31,49 |
| 10803740 | 4000 ml | clear | 111,99 |
| 10853801 | 100 ml | red | 7,85 |
| 10853805 | 500 ml | red | 23,50 |
| 10853810 | 1000 ml | red | 36,23 |
| 10853840 | 4000 ml | red | 127,81 |



Köln Permacoll Patina

Patina on acryl base.

To create an aging effect of gilded surfaces indoor. Generates high contrast and vivid gilding. For all kinds of gold leaf and imitation metal leaf with the use of all adhesive techniques.

| Article number | Size | Colour | Price in € |
|----------------|--------|--------|------------|
| 10903900 | 100 ml | brown | 7,85 |





Kölner high gloss water gilding system KGGG

The Kölner KGGG system consists of three components:

- impregnation agent (Sealer P, Sealer 123A)
- burnishing clay (Fond)
- A size for water gilding (Colnasol)

The components are water dilutable and applied without warming. Thereby you save time and get a good adhesive between the different layers.



Kölner impregnation agent

The impregnation agent is used to seal an absorbing surface, which forms a film inside the material without building a closed layer at the surface.

Such materials are, amongst others, plastering, plaster and paper material.

The impregnation agent improves the adhesion between the work material and the following primer coat.

Therefore, it is very important that the correct impregnation agent is used.

The impregnation agent provides a better adhesive for the KGGG-Fond.

Kölner Sealer P is a water dilutable, acrylic resin dispersion. The solvent content is < 1 %.

After film building, the layer can only be removed with acetone or ethanol. Brushes should be washed out with water. The product can be stored for at least 1 year.

Advantage of Sealer P over Sealer 123 A are an enhanced provision of adhesion of Kölner KGGG Fond and spray fond, as well as a lower impregnation depth for extremely absorbing underlayers, e.g. plaster.

Sealer 123a is diluted with water. It is applied to diminish absorbing surfaces, and to secure the adhesion of the next layer of fond. It can be used for gilding on e.g. plaster, stone and wood.

Kölner Sealer 123 a

| Article number | Size | Price in € |
|----------------|---------|------------|
| 11504101 | 100 ml | 11,18 |
| 11504105 | 500 ml | 47,32 |
| 11504110 | 1000 ml | 83,78 |
| 11504140 | 4000 ml | 322,43 |

Kölner Sealer P

| Article number | Size | Price in € |
|----------------|---------|------------|
| 11554201 | 100 ml | 9,42 |
| 11554205 | 500 ml | 36,94 |
| 11554210 | 1000 ml | 66,52 |
| 11554240 | 4000 ml | 248,90 |



Kölner Fond

The Fond is a water-based, one-layer gilders clay, which replaces the Gesso and bole/poliment layers of the traditional system. The Fond can be applied directly in the correct colour without warming the product. Usually, 4 to 6 layers are applied, depending on the type of the present reliefs. A dry film thickness of 150 µm must be reached everywhere where later the leaf metal will be burnished.

Firstly, the Fond must be stirred. Don't shake, otherwise air bubbles will arise. Applying the Fond occurs in at least 4 layers. As soon as the last layer has dried, it should be mildly polished with a damp cloth. Afterwards, it is polished with a dry cloth until it shines.

| Article number | Size | Name | Colour | Price in € |
|----------------|---------|---------|-------------------|------------|
| 11604301 | 100 ml | Fond B | poliment red | 9,18 |
| 11604305 | 500 ml | Fond B | poliment red | 39,06 |
| 11604310 | 1000 ml | Fond B | poliment red | 60,98 |
| 11604340 | 4000 ml | Fond B | poliment red | 196,12 |
| 11654401 | 100 ml | Fond Bi | poliment red dark | 9,18 |
| 11654405 | 500 ml | Fond Bi | poliment red dark | 39,06 |
| 11654410 | 1000 ml | Fond Bi | poliment red dark | 60,98 |
| 11654440 | 4000 ml | Fond Bi | poliment red dark | 196,12 |
| 11704501 | 100 ml | Fond O | ochre | 9,18 |
| 11704505 | 500 ml | Fond O | ochre | 39,06 |
| 11704510 | 1000 ml | Fond O | ochre | 60,98 |
| 11704540 | 4000 ml | Fond O | ochre | 196,12 |
| 11754601 | 100 ml | Fond L | yellow | 9,18 |
| 11754605 | 500 ml | Fond L | yellow | 39,06 |
| 11754610 | 1000 ml | Fond L | yellow | 60,98 |
| 11754640 | 4000 ml | Fond L | yellow | 196,12 |
| 11804701 | 100 ml | Fond E | blue | 9,18 |
| 11804705 | 500 ml | Fond E | blue | 39,06 |
| 11804710 | 1000 ml | Fond E | blue | 60,98 |
| 11804740 | 4000 ml | Fond E | blue | 196,12 |
| 11854801 | 100 ml | Fond C | white | 9,18 |
| 11854805 | 500 ml | Fond C | white | 39,06 |
| 11854810 | 1000 ml | Fond C | white | 60,98 |
| 11854840 | 4000 ml | Fond C | white | 196,12 |
| 11904901 | 100 ml | Fond S | black | 9,18 |
| 11904905 | 500 ml | Fond S | black | 39,06 |
| 11904910 | 1000 ml | Fond S | black | 60,98 |
| 11904940 | 4000 ml | Fond S | black | 196,12 |



Kölner Sprayfond

Sprayable version of Fond for industrial usage.

| Article number | Size | Name | Colour | Price in € |
|----------------|----------|--------------|-------------------|------------|
| 12005004 | 4 Liter | Sprayfond B | poliment red | 143,28 |
| 12005030 | 30 Liter | Sprayfond B | poliment red | 910,44 |
| 12055104 | 4 Liter | Sprayfond Bi | poliment red dark | 143,28 |
| 12055130 | 30 Liter | Sprayfond Bi | poliment red dark | 910,44 |
| 12105204 | 4 Liter | Sprayfond O | ochre | 143,28 |
| 12105230 | 30 Liter | Sprayfond O | ochre | 910,44 |
| 12205304 | 4 Liter | Sprayfond L | yellow | 143,28 |
| 12205330 | 30 Liter | Sprayfond L | yellow | 910,44 |
| 12255404 | 4 Liter | Sprayfond E | blue | 143,28 |
| 12255430 | 30 Liter | Sprayfond E | blue | 910,44 |
| 12305504 | 4 Liter | Sprayfond C | white | 143,28 |
| 12305530 | 30 Liter | Sprayfond C | white | 910,44 |
| 12355604 | 4 Liter | Sprayfond S | black | 143,28 |
| 12355630 | 30 Liter | Sprayfond S | black | 910,44 |



Kölner Colnasol

This skin-glu preparation is used for the production of water size for loose metal leaf. It is suited for achieving polishable high gloss gildings, high gloss silvering, and high gloss gilding with imitation metal leaf.

With the KGGG system, one does not use the usual alcohol/water size, but rather a weak solution of skin glue in water. The Colnasol tablet is dissolved in hot water and used after the water has cooled.

For 1 tablet, half a litre of water is used. You can also use parts of the tablet for a smaller amount. After the gold leaf is applied, you should wait 24 hours before burnishing with the agate burnisher.

| Article number | Size | Price in € |
|----------------|------|------------|
| 12455710 | 10 g | 5,22 |





Kölner Miniaturum

Size for high gloss for gilding on paper, vellum, leather and flexible surfaces.

Kölner Miniaturum products are developed for the gilding of paintings and writings (calligraphy).

It is easy to use.

Apply, let it dry and metallize it with transfer gold within the next 24 hours

Product feature: On the basis of a watery, glycol-containing acrylic dispersion.

It contains small quantities butylcarbitol. Make sure that there is sufficient ventilation while working with this product!

Application:

High gloss gilding and silvering. Particularly used on paper and other flexible surfaces, but can also be used on non-flexible surfaces.

Kölner Miniaturum should be processed at a room temperature between 15 - 25 °C. Additional dilution with water is possible. However, this should not exceed 5 %. It can be stored for at least 1 year after production.

Brushes, pens and so on should be cleaned with soap and water, as long as the size has not formed a film. For longer works, periodic cleaning with water can become necessary, in particular with high temperature surroundings. Cleaning with alcohol or acetone is possible after filming.

Product description:

The elastic nature of the size assures a long lasting gilded surface. The turning of illuminated pages will not cause the leaf to delaminate. Adhesion is guaranteed on paper, vellum (degreased), smooth leather and different plastic foils (plasticizer-free), as well as on metal-concealed papers (aluminium) and a lot of other materials.

Miniaturum is especially important for gilding in the domain of book illumination.

Even without agate burnishing, surfaces with spectacular high-gloss can be achieved. Miniaturum works perfectly when high gloss is desired, especially for small surfaces.

Application description:

Miniaturum can be applied immediately with a special synthetic Kölner brush on smooth and low or nonabsorbent material. Plastic foil should be tested for adhesion first.

Lines or small surfaces can be applied with raised texture immediately. Larger surfaces and/or absorbing materials should be pre-painted with Miniaturum thereafter and receive a second layer after thorough drying.

A multiple brushing reduces a part of the structure of not entirely smooth surfaces. Normally, the application of the leaf metals is done after all layers of paint are completely dry. The drying, especially with a thick or multilayer application, takes at least 5 hours (depending on the climate).

Old, overlaid Miniaturum layers can be reactivated with Instacoll-Activator for perfect adhesion of metal leaves.

To ensure that thicker films are completely dry, it is recommended to apply the size in the evening, and metallize it the next morning. Thin films can be gilded after 1 to 2 hours.

The time for secure metal adhesion, after application of the last Miniaturum-layer, is about 24 hours, and for imitation leaf metal maximally 8 hours. Utilization preferably finds place with transfer leaf gold or silver that is tailored with a scissor. With the help of Kölner Tissue, the transfer paper side of the leaf gold is firmly pressed on the Miniaturum-film without moving the transfer paper.

The paper is then carefully removed, so that parts of the metal that do not stick yet can be rubbed onto the Miniaturum again. After the transfer paper is completely subtracted, the metal is vertically pressed with the cloth again, and then polished with the cloth in all directions. Agate burnishing is not possible.

Imitation metal leaf is tailored, applied and directly pressed vertically with the Kölner Tissue. It is mildly polished afterwards. The resulting gilding or silvering has sharp edges and looks very shiny.

Silver and imitation metal leaf will oxidize over time.

To prevent oxidation, it can be carefully painted over with solvent-free Kölner gilding varnish



Kölner Miniaturum

| Article number | Size | Colour | Price in € |
|----------------|--------|--------|------------|
| 10603515 | 50 ml | clear | 12,40 |
| 10603550 | 500 ml | clear | 86,80 |
| 10653515 | 50 ml | yellow | 12,40 |
| 10653550 | 500 ml | yellow | 86,80 |



Kölner Miniatum Ink

Ink size for gilding on paper

Product feature:

Synthetic size in ink form, for leaf gold and leaf silver; for shiny but non-polishable metallization.

Miniatum-Ink has been designed as an addition to Miniatum.

The processing is carried out with the use of various drawing supplements. Scriptures and drawings can be made with raised gilding of the finest lines in leaf gold or leaf silver.

In combination with Miniatum, all calligraphic leaf gildings are possible.

The metallizations permanently adhere to the elastic film. You do not have to be afraid of crack or flake forming, even when you move a page of the book. On materials other than paper, the product should be tested.

Because of the danger of 'dulling' of previously high gloss metallizations, plastics can't contain plasticizer.

Application description:

Miniatum Ink is used undiluted at a room temperature between 15 and 22 °C, with writing and drawing feathers, an ink pen, and a fountain pen or a drawing pen. The Art Pen by Rotring has been proven to be especially handy, not only since you can easily change the nib, but also because regulation of the amount of ink is possible with the ink converter.

The converter is easy to clean as well, since you can disassemble it into individual components. Miniatum Ink can easily be kept in a closed fountain pen for several days. If there is still gluing that disrupts the writing with the fountain pen, cleaning the feather with water suffices.

After emptying the writing tools, please rinse thoroughly with water and keep it filled with water until next usage. All other writing tools should be cleaned with water immediately after usage and dried afterwards.

In general, a single ink application is sufficient. With strongly absorbent papers, a second or third application of ink might be necessary. Wide areas are best applied with Miniatum.

For application of the transfer gold (same application as for Miniatum), the ink must dry thoroughly. The average application has dried after about half an hour. The open time of gilding (gold or silver leaf, not composition leaf) is till 3 hours after the application has dried.

| Article number | Size | Price in € |
|----------------|-------|------------|
| 10553505 | 5 ml | 5,59 |
| 10553515 | 50 ml | 17,25 |



Kölner Relief plaster/putty

The Kölner Relief plaster is a repair compound used for picture frames, or for relief from wood or plaster. The special thing is that the dried Relief plaster can be poliment gilded directly on small repair areas, without applying KGGG fond.

| Article number | Size | Price in € |
|----------------|-------|------------|
| 12505815 | 150 g | 10,11 |
| 12505840 | 400 g | 17,25 |
| 12505875 | 750 g | 32,71 |



Kölner Rapid

Kölner Rapid is specifically developed for stone mason requirements.

The adhesive is applied undiluted in two layers with a brush. After approximately 15 minutes of drying (depending on the thickness of the Rapid layer, temperature, and relative humidity), you can either apply a second layer of Rapid or you can start gilding. Beware that the Rapid layer must be completely dry before gilding. After that, you have 8 hours open time to make a high-quality gilding.

If it concerns a strongly absorbing surface, several layers of adhesive can be applied. Make sure that the layer is always completely dry before painting a next layer.

Sealing of the stone is then no longer necessary. Working with Kölner Rapid is comfortable and safe, and will quickly feel natural. Especially work outdoors can be done fast, yet with high quality, for example on site or/and at the cemetery.

For large surfaces, Kölner Rapid can be sprayed as well after diluting it with no more than 8 % distilled water.

A low pressure sprayer with a nozzle size of 1 - 1,5 mm is recommended.

Kölner Rapid can also be applied with a brush.

We recommend the use of a flat synthetic brush.

| Article number | Size | Colour | Price in € |
|----------------|-------|--------|------------|
| 10503400 | 50 ml | yellow | 5,67 |
| 10503401 | 50 ml | clear | 5,67 |





Kölner Ceramic

Kölner Ceramic is a gilding adhesive for complementing and repairing imperfections in high gloss gildings on porcelain or ceramics.

A dilution with water is possible. The products KT-5 and KT-5-hv can be mixed with each other.

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Kölner Ceramic Size KT-5

Size for small repairs in ceramic gildings.

It is applied as a liquid, and gilded with transfer gold after film building. The result is a high gloss gilding.

| Article number | Size | Price in € |
|----------------|-------|------------|
| 10703650 | 50 ml | 24,48 |

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Kölner Ceramic Size Gel KT-5-hv

Size in gel form. With this product, small imperfections and bursts in ceramic material can be filled. After film building, it can be gilded with transfer gold. The result is a high gloss gilding.

| Article number | Size | Price in € |
|----------------|-------|------------|
| 10753655 | 50 ml | 24,48 |

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