

## Novocanto<sup>®</sup> Brass

**h:** 6, 8, 10, 12 mm.

**Length:** 250 cm



**Material:** Brass



### NOVOCANTO<sup>®</sup>

Brass profile, designed to protect and decorate the tile, giving beauty and resistance characteristics of this material.

It is presented in its natural colour

### PROPERTIES OF BRASS

- Brass is an alloy of copper and zinc. Its proportions can change depending on the required properties.
- It is used in decorative and ornamental products, because of its gold appearance, although its applications are more extensive, for example, armaments, condensers, electrical terminals or profiles.
- Has a high level of ductility and good mechanical resistance.

Easy placement, its fixing wings have an octagonal hole to make possible the transfer of the fixing material, guarantying an optimal installation and life.

- One of its typical properties is the difficulty to produce sparks through mechanical impact. This property is atypical in the other alloys.
- High corrosion resistance.
- **Fire resistance** classification as **A1** according to the current standard UNE EN 143501-1:2007. This classification corresponds to the class as **M0** according to NBE-CPI-96 (in accordance with the previous standard UNE 23727:1990), corresponding to a non-combustible material against the thermal action.

### PLACEMENT

1. It is enough to place the profile correctly aligned against the corner, making sure that the fixing material passes through the holes of the fixing wing.
2. Then, place the coating pieces, pressing them on the fixing wing to guarantee a good fixation.
3. Finally, clean carefully the spare material.

#### Placement Example of a Novocanto<sup>®</sup> model



## CLEANING AND MAINTENANCE

Brass is resistant to practically the whole chemical products that are usually used in combination with ceramic coatings. Its aesthetic damage is caused basically by the contact with the environment. Atmospheric effects on the brass:

- The air actuation causes the appearance of an oxide layer on the brass, which gives a patina to the surface.
- The humidity effects or the effects of aggressive substances can generate a bigger oxidation and the formation of spots on the profile surfaces.

### MAINTENANCE

An adequate cleaning and maintenance will avoid that the dark gets darker.

The application of shine products on the brass, gives a durative and effective cleaning and protection, which can be increased with the application of synthetic lacquers or special varnish for brass. Each of these products destined to the maintenance and cleaning of the brass will indicate the frequency they must be used.

#### Products for the brass cleaning

##### 1. SHINING PRODUCTS

To protect and maintain the shine aspect of the brass, you can use shine products. There are different kinds in the market, and some of them polish as well as restore. They are easy-using products, effective only with contact, that do not leave odor and not dirt the hands.

To its application is enough to wet a part of a cloth and brush the piece to eliminate the thin damaged layer of the surface. Pass the dry part of the cloth and you will get a durable shine.

##### 2. POLISHING PRODUCTS

Recover and shine the lightly oxidized brass surfaces. They used to contain anti-oxides that work on the metal, protecting it and retarding its oxidation. They have a characteristic odor and they can darken the hands after contact, although they can be cleaned easily with water. In any case, follow the product use instructions.

In order to get more polish, more effective application and more durable effect, there are products in the market that have a high content in Silicon.

### BRASS CLEANING

In contact with the air, brass acquires a brown colour. To its cleaning, it can be used a polisher for metals, although sometimes, it is convenient to use natural acid, cutting a lemon, sprinkling salt and rubbing it against the metal until the oxide layer gets soft.

Then, clean it with clear water and dry it carefully with a cotton cloth. Then, it can be polished with a shine for metals, which protects and gives it back the shine.

##### 3. DEOXIDIZING PRODUCTS

They are use for pieces that are very oxidized or lubricated. They are very hard (most of them based in an adequate proportion of nitric acid). It is recommended to use them with a barbwire ball or with thin steel wool to obtain optimal results (do not use them dry because they could scratch the material).

In this way the metal surface will be completely deoxidized, making easier the ulterior application of the polishing product, necessary to the material becomes protect and shiny. These products contain very hard and corrosive compounds; therefore it is very important to follow the use instructions of the fabricant.

After the application of the shining or polishing product, it is recommended to dry and rub well with a cotton duster (that do not loose threads) to get more shine.

##### 4. SPECIFIC VARNISHES FOR METALS

Finally there are products that can be applied after these treatments to avoid that the material becomes dark with the oxidation, as synthetic lacquer only for metals, which are totally transparent or special lacquers for this kind of materials. These lacquers are available in liquid form to apply with traditional brush or spray.

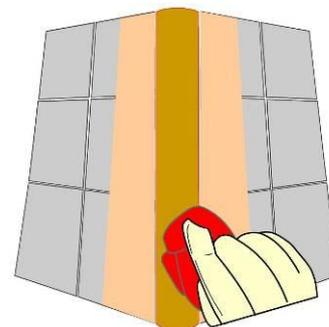
## Step-by-step

The first step to repair and recover the superficial appeal of a brass profile is to protect the ceramic tile or other materials in contact with the profile, to prevent the products used for this process dirty or deteriorate the tile surface.

### 1. SURFACE PREPARATION

The surface must be prepared to subsequent implementation of products for polishing process. If the piece is oxidized, the oxide must be eliminated.

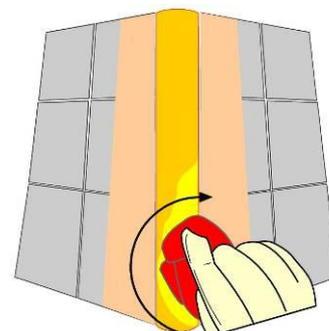
- I. Apply the deoxidizer with a brush or medium grain steel wool (depending on degree of oxidation of the surface). Follow the instructions for use of the product and leave on for the time necessary to remove the oxide layer. After this time, rinse with water until the surface is completely clean.
- II. Once ended this first step, touch up all clean piece with a fine grain steel wool.
- III. Finally, dry the surface well to avoid re-oxidized.



### 2. POLISHING PROCESS

The next step is to polish prepared surface. It is necessary polish until to achieve maximum possible brightness.

- I. Use a cloth or cotton polishing bag to rub in a polisher on the entire surface. This product should be applied with circular movements and the operation must be repeated as many times as necessary until the piece is polished and shiny.
- II. Once the polish has dried, shine the entire piece with a cloth or other cotton polishing bag. Rub in circular and energetic movements.



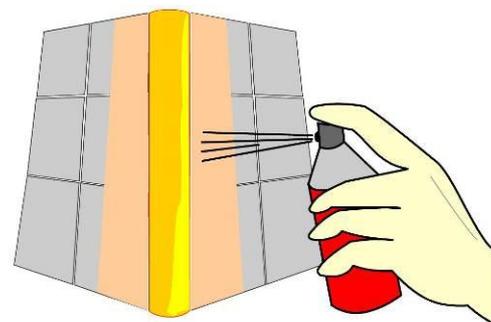
### 3. VARNISHING

To carry out the varnish finishing of brass pieces is essential to use specific metals lacquer or varnish. These products are available in the market in liquid form to a traditional application by brush or spray.

#### Varnish coat with spray

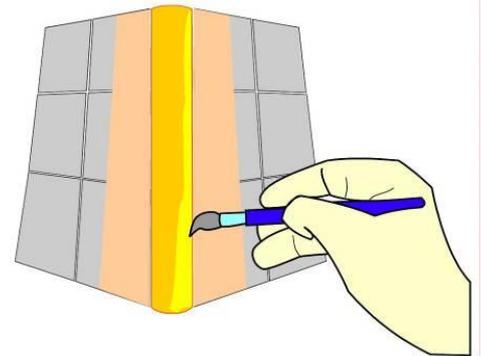
Apply the spray about 25 cm. away from the profile. It should be applied sparingly repeating the process to avoid forming drops of varnish on the piece.

Once the spray has dried, repeat the operation until you achieve a perfect finish.

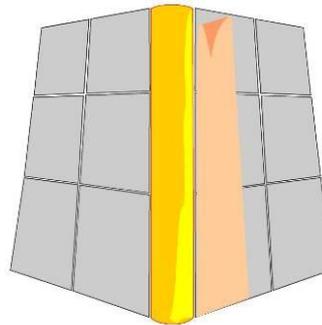


### Varnish coat with brush

Apply the varnish with a big soft brush, paying particular attention not touch up an area already varnished, and allow drying for about 8 hours before giving a second coat. A third coat of varnish will ensure optimum sealing. Since the coating of a metal is recommended to use very soft brush to avoid leaving marks coat of the brush.



Finally remove the protective material used during the process:



The procedure described here is an orientation of the process of cleaning and maintenance of brass. The exact and correct procedure depends on the applied product and their characteristics, so it is very important to follow the instructions on each product to get the desired results.

## TECHNICAL INFORMATION



You can download more information about the technical characteristics of the material that the Novocanto<sup>®</sup> is made of in [www.emac.es](http://www.emac.es)

If you have some query or question, please contact with the technical office: [otecnica@emac.es](mailto:otecnica@emac.es)