



Bright Relief H 54002 – Lead free - for the Heraeus Two Fire Etching Imitation System for porcelain

1 General Information

H 54002 is a lead free special bright relief designed for the Heraeus Two Fire Etching Imitation System for porcelain.

In an original etching decoration first parts of the substrate glaze need to be removed by using hydrofluoric acid. In the second step the precious metal gets applied. At the lower parts, where the glaze has been removed, the bright precious metal shows a silk matt appearance, on top of the glaze a bright appearance.

The Heraeus Two Fire Etching Imitation System allows to produce a similar optical effect without the need to work with aggressive acid.

In the first step a decal is produced consisting of a special underlay and a bright relief on top. After the firing of the decal the liquid precious metal is applied on top.

The first picture shows a decoration with a single layer of bright relief H 54002, the second picture the same motif with a double layer of relief.



2 Recommendations for the usage

For the pasting of the bright relief H 54002 we recommend a mixing ration of 100:80 parts by weight (bright relief : silkscreening oil) with special silkscreening oil. For a good homogenization the pasted underlay should be homogenized with a triple role mill.

For the printing of the bright relief we recommend the usage of a 68-55 polyester screen or a 180-220 stainless steel screen.

For more detailed information on the decoration system, please check our Product Information Sheet for the Heraeus Two Fire Etching Imitation System for porcelain.

3 Storage

H 54002 is a lead free flux powder. The material should be stored in a dry environment.

4 Safety data information

For safety data information please check our Safety Data Sheet for Underlay H 54002.