



Underlay H 55033 – Lead free - for the Heraeus Matt Gold System for decals on porcelain and bone china

1 General Information

H 55033 is a lead free special underlay for the Heraeus Matt Gold System for decals on porcelain and bone china.

In the Heraeus Matt Gold System for decals first a layer of special underlay is printed. Secondly a bright gold, bright platinum or bright palladium paste is applied on top. Where the bright precious metal paste is printed on top of the underlay, the metal appearance is silk matt after firing. Where the bright precious metal paste rests directly on the glaze, the appearance after firing is shiny bright.

With the Heraeus Matt Gold System interesting bright and matt decorations can be achieved in a cost efficient system with the print of only a special underlay and a bright precious metal material, which typically has a lower metal content as silk matt or burnish metal preparations.

2 Recommendations for the usage

For the pasting of the lead free underlay H 55033 we recommend a mixing ration of 100:45-55 parts by weight (underlay : silkscreening oil) with special silkscreening oil No 238.

For a good homogenization the pasted underlay should be homogenized with a triple role mill.

Please prepare the materials always fresh for a printing job.

For the printing of the special underlay we recommend the usage of a 130-34 up to a 150-31 polyester screen.

For the printing of the bright gold / platinum / palladium paste on top, we recommend using a 120-34 to 130-34 polyester screen.

For more details about the decoration system, please check our Product Information Sheet for the Heraeus Matt Gold System.



3 Storage

H 55033 is a lead free colour powder. The material should be stored in dry environment.

4 Safety data information

For safety data information please check our Safety Data Sheet for Underlay H 55033.