

Wet Process Leadfree Enamels on Steel or Copper

Wet Process Enamels on Steel (for copper, please see page 3)

Wet process enamels are normally delivered in a water based liquid suspension. Prior to use, the enamel container should be thoroughly shaken to ensure the product is in complete suspension. If, over time, the enamel becomes too thick due to evaporation, the enamel can be thinned with mains water.

Once a layer of sheet steel groundcoat has been applied to the steel and fired, all other wet process enamels and normal jewellery enamels can be used.

The method of production of the fired trials was as follows:-

The metal was degreased

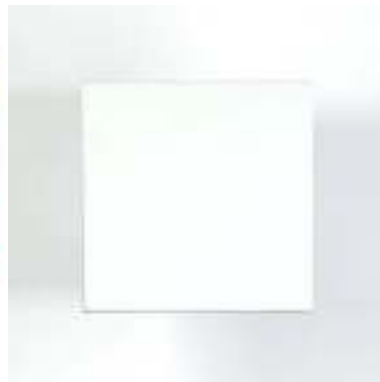
Sheet steel groundcoat was applied by spraying

The enamels can also be dipped or the enamel applied with a soft brush

The enamel was dried and fired for 3 minutes at 800 centigrade

One coat of wet process white was applied and fired at the same temperature, and then two coats of each colour were applied and fired to give a solid opaque colour.

The actual size of the tile is 10cm c 10cm and the gauge of metal was 1.6mm



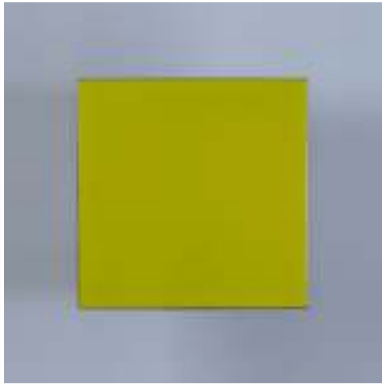
Sample Set - 40cc of each wet process enamel in this range can be purchased

10099 Opaque White

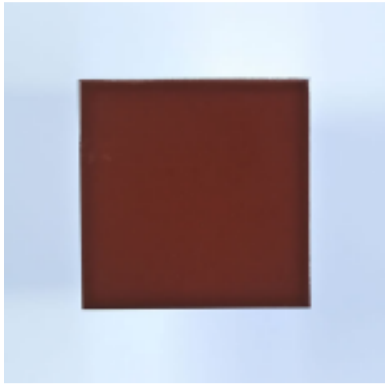
10100 Ivory



10101 Black



10102 Lemon



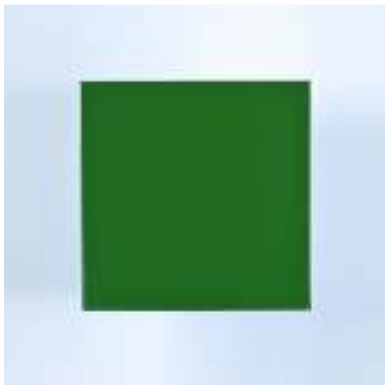
10103 Chestnut Brown



10104 Sky Blue



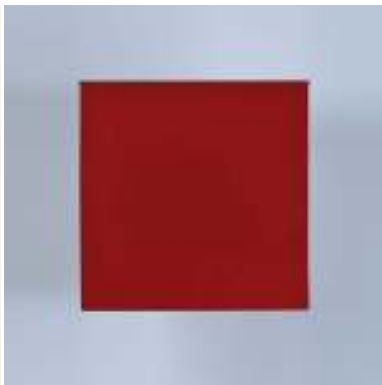
10105 Royal Blue



10106 Dark Green



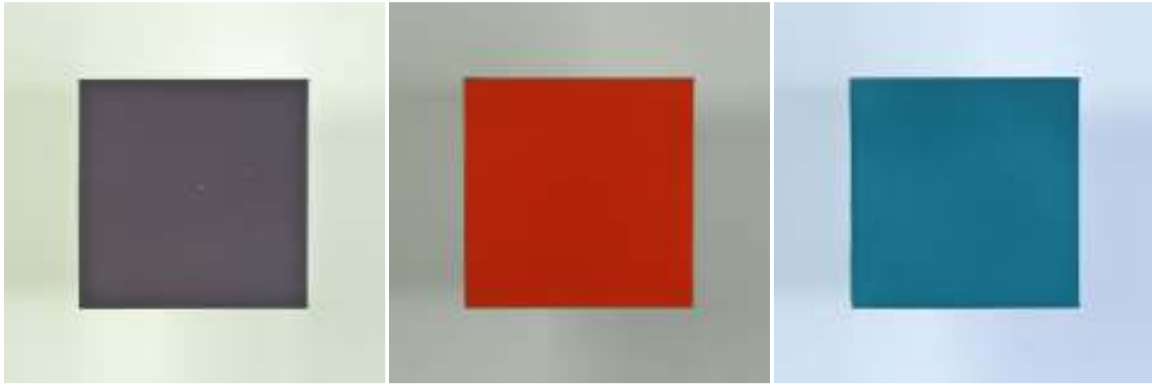
10138 Celadon Green



10280 Red



**10543 Sheet Steel
Groundcoat**



12352 Purple

12353 Orange

12355 Jade



12356 Grey

12361 Deep Yellow

12362 Light Brown

Wet Process Enamels on Copper

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The photographs show the enamels applied direct to degreased copper by spraying.

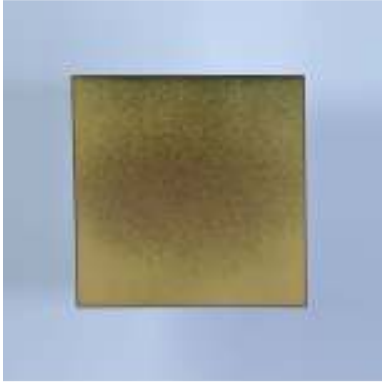
If spraying is used, efficient extraction must be used to remove spray vapour from the work area. The enamels can also be applied either by dipping or with a soft brush. Each photograph shows one and two coats of enamel.

The gauge of the copper is 0.9

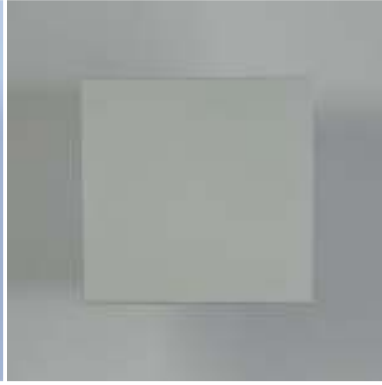
The actual size of each tile is 6cm x 10cm

Firing time was 3 minutes at 800 centigrade

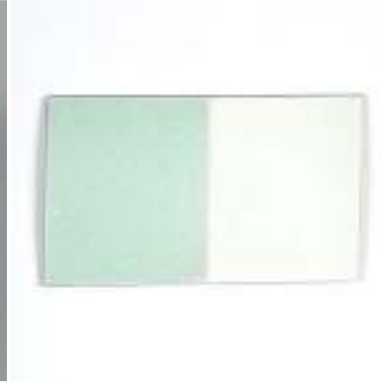
The copper groundcoat can be used to give an off-white base on which to apply wet process colours. Higher and longer firing of wet process enamels on copper gives very interesting results as the tile colours become tinted with chemicals in the copper base.



10098 Clear Flux



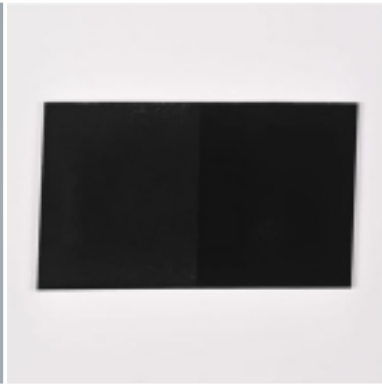
11236 Copper Groundcoat



10099 White Wet Process



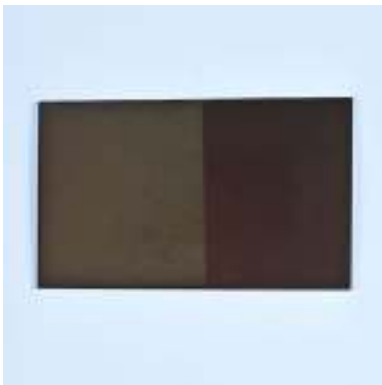
10100 Ivory Wet Process



10101 Black Wet Process



10102 Yellow Wet Process



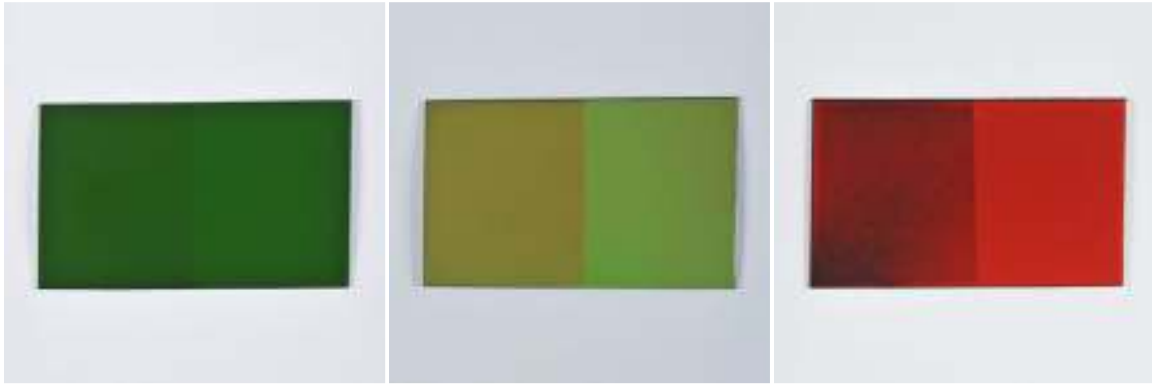
10103 Chestnut Brown Wet Process



10104 Sky Blue Wet Process



10105 Royal Blue Wet Process



10106 Dark Green Wet Process

10138 Celadon Green Wet Process

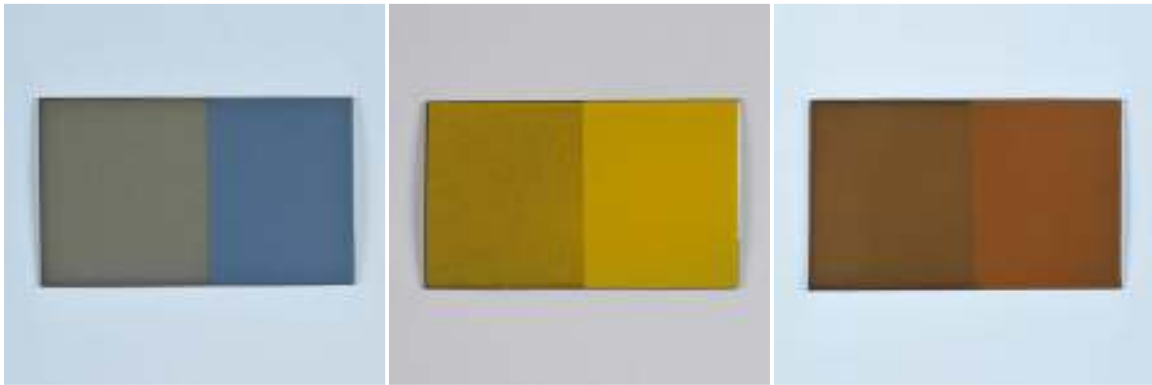
10280 Red Wet Process



12352 Purple Wet Process

12353 Orange Wet Process

12355 Jade Wet Process



12356 Grey Wet Process

12361 Deep Yellow Wet Process

12362 Light Brown Wet Process