

James M. Brown Ltd

Customer details

Company: _____ Date: _____
Contact: _____ Sample reference: _____
Address: _____ Application: _____

Telephone: _____
E-mail: _____
Specific requests: _____

Application Details

At JMB our aim is to establish a good customer supplier relationship from the very first sample. We target to match every sample first time : to do this we need your help. Please fill in the sample request form giving as much information as possible. In the case of glass / ceramic matchings experience tells us that large differences can occur simply by the use of the incorrect frit or firing temperature and firing cycle. We fully understand the sensitivity of information and materials and consequently any data or samples supplied to us are treated in the strictest confidence and will never be disclosed to third parties.

If specific additional information is not provided, please note that the standard methods indicated below for each application, will be adopted.

Onglaze enamel colours

Onglaze enamel colours will be matched using our stock onglaze flux at a loading of 15%, printed onto white earthenware and fired at 800°C. Matchings will be checked visually and instrumentally using CIELAB equation, $\Delta E < 1$.

Flux: _____
Mixing ratio: _____
Firing cycle: _____

Glass enamel applications

For glass enamels we will match using our stock glass enamel flux at a ratio of one part pigment to nine parts flux. The glass enamel will be screen printed onto glass and fired at a temperature of 620°C. Matchings will be checked visually and instrumentally using CIELAB equation, $\Delta E < 1$.

Flux: _____
Mixing ratio: _____
Firing cycle: _____

Vitreous enamel applications

Colours for use in vitreous enamels will be tested using our stock enamel flux at a loading of 40%, sprayed onto ground coated steel plates and fired at 830°C. Matchings will be checked visually and instrumentally using CIELAB equation, $\Delta E < 1$.

Flux:

Mixing ratio:

Firing cycle:

Plastics application

For plastics applications we will match in HDPE at a pigment loading of 0.5% for the masstone and at a pigment loading of 0.05% with 0.5% titanium dioxide for the reduced tone. Matchings will be checked visually and instrumentally using CIELAB equation $\Delta E < 1$.

Polymer:

Masstone:

Reduced tone:

Paint applications

For paints we will match in an acrylic paint base medium at a loading of 50% for the masstone and 10% pigment and 40% zinc oxide for the reduced tone. Matchings will be checked visually and instrumentally using CIELAB equation, $\Delta E < 1$.

Paint base:

Masstone:

Reduced tone:

Artist colour applications

For artist colour applications we will match in a linseed oil based paint medium at a loading of 50% for the masstone. The reduced tone will be tested by mixing 1 part of the masstone paint with 4 parts of a commercial white oil paint.

Paint base:

Masstone:

Reduced tone:

After printing this form, please fill it in as completely as possible and send it to us, together with the pigment or plastic sample(s).

Please remember to keep a copy for your own records

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