

match *Maker*

Metal Ceramic **MC**

Perfect shades
straight from the bottle

Matchmaker MC is a complete veneering ceramic system, offering levels of quality and consistency that are greatly superior to those of any previous system. Matchmaker MC allows you to create beautiful, highly individual crowns that sparkle with vitality and natural fluorescence. Thanks to the systems components, a perfect match is guaranteed time after time.

Beautiful smiles and warm laughter have the potential to change patient's lives. Patients increasingly are coming to appreciate this and demand ever higher standards. But not every clinical case has the same degree of complexity and for most situations the ceramist needs a system that enables beautiful work to be carried out quickly and simply - as we put it "Perfect Shades Straight from the Bottle". But for challenging cases a more sophisticated layering system is required. With Matchmaker MC Metal Ceramic you get both in the one system.

Indications

Matchmaker MC is a veneering ceramic porcelain for bonding to metal crowns and bridges.

Contra Indications

Do not use without a metal sub-frame. Not suitable for use with low fusing porcelains, PJC materials or with some non-precious alloys. Do not use with a sub-frame other than described in 1. Alloys below.

Instructions for Use

1. **Alloys:** Non Precious, Semi Precious & Precious Alloys with coefficient of expansion between 13.8 - 14.9 x 10⁻⁶°C⁻¹ may be used. Prepare your copings and where indicated degas to the alloy manufacturer's directions for use.
2. **Oxidation:** Refer to the manufacturer's instructions for the alloy.
3. **Propaque Application:** Apply an even thin layer completely masking the coping. When fired the **1st Opaque** has a slight sheen with a partial opaque coverage to the applied surface. **2nd Opaque:** Apply a thin even layer masking the 1st Opaque. When fired the Opaque has a slight sheen. Please see separate Propaque Instructions for Use at www.schottlander.com
4. **Dentine & Incisal Build Up:** Build the dentine to full contour and reduce for incisal layer.
5. **Small Corrections & Glaze** may be fired at the same time.
6. Furnace temperatures vary. Adjust high temperature to give appearance in firing chart.

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Overview of Matchmaker MC & Propaque Firing Instructions

Matchmaker MC	Start Temp °C	Minimum Drying Time	Temp Rise °C / Min	Vacuum	High Temp °C	Hold Time Without Vacuum	Appearance
Oxidation	Refer to the alloy manufacturer's instruction						
Pontic Fill	550	6 min	80	Yes	980	1 min	
Propaque 1st firing	550	8 min	80	Yes	980	1 min	Slight sheen
Propaque 2nd firing	550	8 min	80	Yes	960	1 min	Textured, slight sheen
Powder Opaque 1st firing	580	2 min	80	Yes	980	1 min	Textured, slight sheen
Powder Opaque 2nd firing	580	4 min	80	Yes	950	1 min	Textured, slight sheen
Shoulder 1st firing	600	2 min	80	Yes	950	1 min	Slight sheen
Shoulder 2nd firing	600	4 min	80	Yes	940	1 min	Slight sheen
Dentine, Enhancer, Enamel etc 1st firing	580	6 min	60	Yes	930	1 min	Textured, slight sheen
Dentine, Enhancer, Enamel etc 2nd firing	580	6 min	60	Yes	920	1 min	Slight sheen
Glaze with Glaze Powder	580	6 min	60	No	920	1-2 min	Glaze
Glaze without Glaze Powder	580	6 min	60	No	930-940	1-2 min	Glaze depending on requirements
Post Ceramic Soldering* (780°C solder)	600	2 min	60	-	830	-	

* The soldering investment model should be as small as possible. Dry it in a preheating furnace for 10-20 minutes at 200°C. Then transfer the model to the porcelain furnace to complete the soldering cycle, and cool the soldered restoration in accordance with the alloy used.

All temperatures given are based on an accurately calibrated vertical muffle furnace. Individual furnaces and operating conditions vary. Temperatures are based upon precious and semi-precious alloys with good thermal conductivity. If non-precious alloys are used an increase in temperature may be necessary. Shake all powder bottles before use.

It is important to ensure that ceramics are fired at the correct temperatures in furnaces that are regularly calibrated, carefully following the instructions of the furnace manufacturer concerned. The following are some additional tips that customers have found helpful:

1. Silver calibration provides a visual indication at 961°C. However in many furnaces lower temperatures may still be inaccurate.
2. Adjust the high temperature until the visual appearance of the fired ceramic is in accordance with that shown in the manual, i.e. a correctly fired first opaque layer should exhibit a slight sheen. Adjustments of the same proportion should be made to other firing cycles.
3. In order to achieve the above appearance when using non precious alloys it is frequently necessary to increase the High Temperature of the first opaque firing by approx 20°C. The second firing should be made at the normal temperature for precious alloys.
4. Select a firing tray that is routinely used. Always use the firing tray when calibrating your furnace.