



CERAMIC POWDER (GUM)– Instructions for use.

Manufactured by:

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1. Product Description

CGI Gum Ceramic powder is intended to use for applying on Zirconia materials to restore the Gum shape and shade or characterizing of the gingiva tissue.

2. Indications for use

The material is intended to use on all zirconia restorations to reproduce the gum tissue.

3. Contraindications

Do not use this material for purposes other than its intended use or in a manner different from the instructions stated in this procedure. Do not blend with any other non-recommended product.

4. Technical Data

Table 1	
Coefficient of Thermal Expansion	10.0+/-0.5 X 10 ⁻⁶ /°C
Transition temperature	530°C +/- 20°C

5. Ceramic Application

5.1 Powder and Liquid

Use CGI Gum Ceramic Powder with CGI Modeling Liquid. Add a few drops of liquid in order to form the desired consistency. Wet a ceramic build-up brush with the modeling liquid and dry off excess with a tissue. Take the brush and collect the proper amount of gum ceramic and place where desired on the restoration. Place the restoration at furnace entrance and dry sufficiently prior to firing the restoration using the program provided in Table 2. You can add a second characterization and fire using the same firing temperature of table 2, if it is needed.

5.2 GUM Stain Application and Glazing.

Refer to IFU for gum stain and glaze. The gum stain is to enhance the gum ceramic in certain areas to give the restoration a more characterized appearance. It is always applied after the gum ceramic is finalized. The glaze is applied after for a high gloss finished product.

6. Firing chart

Table 2	
Dry out	5 min
Insertion	482°C - 900°F
Heat rate	56°C/min - 100°F/min
Firing Temperature	850°C - 1562°F
2 nd Firing	Reduce temperature.
Hold time	1 min
vacuum	Yes

*vacuum is required on ceramic based applications.

Note: Be sure that the furnace is properly calibrated. The above temperatures are recommended and can vary with individual furnaces. Adjust the temperature if necessary.

7. Storage.

Store the containers in a dry place and completely closed.

8. Warning.

Do not inhale powder. Do not get dust, paste or liquid in contact with eyes or skin. Protective equipment such as gloves, goggles, mask and lab coats are recommended when using these materials.

9. Associated Products by CGI

* Gum Kit – Stains for Characterizing and enhancing the tissue.

* CGI Glaze: Available in Paste with fluorescent and non-fluorescent in 5gm gars as well as Powder.