

ORBIT™ LC: The Light-cured Porcelain Staining System

For the professional who's also a perfectionist

The enclosed restoration has been stained with ORBIT LC. ORBIT LC from GC AMERICA INC. is a light-cured, custom staining and color characterization system for all porcelain restorations. With ORBIT LC, doctors can see the esthetic results in the mouth before the porcelain is fired. This improves esthetic communication with the laboratory and minimizes rework time with the patient.



ORBIT LC makes characterization easy for the doctor and laboratory.

Using the ORBIT LC kit, the doctor or technician mixes the stain shade powders and the light-cured liquid. The mixture is then brushed onto the porcelain as needed to stain and characterize the porcelain. The applied stain is then light-cured for approximately 20 seconds to temporarily set the color until the porcelain can be fired in the laboratory.

A perfect crown the first time around



ORBIT LC can also be used to stain a shade tab that is sent to the lab with the impression. This allows the doctor to communicate the exact color and characterization.

NOTE: Over time, the ORBIT LC stained shade tab may turn dull. To return the aesthetics to normal luster for visual comparisons, coat the shade guide tab with PLC liquid (do not light-cure) or glycerin.

What you see is what you get

Since ORBIT LC stains are light-cured onto the restoration surface, the colors will not run or bleed, as they might with other staining systems. In addition, ORBIT LC stains can be layered and manipulated to

achieve highly accurate aesthetic results. If the results are not satisfactory after light-curing, stains can be removed or adjusted. And if the doctor is using ORBIT LC, comparative results can be seen in the mouth before the porcelain is fired. This allows the doctor to make minor touch-ups to any porcelain restoration, avoiding numerous corrections and/or remakes by the lab.

Follow this Firing Schedule For the best results

Fire the porcelain according to the "self glaze" schedule on following



page. If an ultra high gloss finish is desired and the porcelain has been coated with ST-Glaze, fire according to the schedule for "ST-Glaze."

Infection Control

If disinfection is necessary, spray the light-cured restoration with a surface disinfectant. Immersing in a disinfectant or sterilant may cause the stain to peel. The disinfected restoration may take on a dull appearance but will not effect the restoration once it is fired.

FIRING SCHEDULE

Program Items	Stain Firing	
	Self-Glaze	ST-Glaze
Drying (DRY)	5 min.	5 min.
Preheating at starting temperature (PREHEAT)		
	10 min.	10 min.
Vacuum (SET POINT)	0 in Hg 0 cm Hg	0 in Hg 0 cm Hg
Rate of temperature climb (RATE OF CLIMB)	52° C	52° C
Starting temperature (IDLE)	550° C	550° C
Firing temperature (FIRING)	910° C	900° C
Holding (FIRING)	1 min.	No Holding Time Required
Cooling (COOL)	2 min.	2 min.

The schedule should be used as a guideline only. Modifications may be needed according to the type of porcelain furnace used. However, IN ALL CASES, the drying and preheating times prescribed should be strictly followed. Failure to do so may adversely affect the burnout of the Orbit Stain PLC (liquid) and result in carbon residue.

Efficiently Simple

The ORBIT LC system facilitates communication between the doctor and laboratory, thereby decreasing the margin for error. This allows the laboratory to make near perfect crowns and bridges in less time, increasing its capacity and enhancing its reputation for quality work.

For more information about ORBIT LC, please call GC AMERICA at 1-800-323-7063.

Two Kits Available



The ORBIT LC system is available in a 14-stain kit or a 6-stain introductory kit. In addition to the stain powders, both kits contain:

- Stain PLC, the light-cured liquid
- Glaze powder
- Stain color table
- Plastic spatula
- Pinsel brushes

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ORBIT™ LC

Firing and Glazing Instructions Laboratory Guide



**SPECIAL HANDLING
REQUIRED!** The enclosed restoration has been stained with the NEW ORBIT LC System. Important firing instructions are included. Please read these instructions before you proceed.