

# OPTIGLAZE® color

Light-curing painting solutions

Everything looks  
better in colour



## Paint your characteristics

Are you looking for a simple solution to add character to your everyday aesthetic creations?  
Then OPTIGLAZE color will impress you!



**Durable**

It adds colour, long-lasting gloss and high wear resistance to all your restorations.



**Fast**

Ready to use, easy to handle and with a reduced need for polishing, this product will save you valuable time.



**Beautiful**

Choose from a wide variety of colours, both for internal and external characterization to create beautiful aesthetic details.

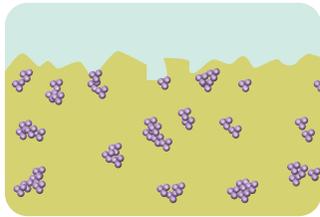
## Long-lasting gloss

The entire OPTIGLAZE color line-up contains GC's unique nano-filler technology, providing high wear resistance and long-lasting gloss.

### Conventional technology



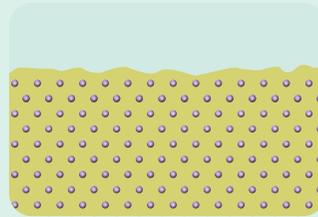
Without filler, the material can wear easily.



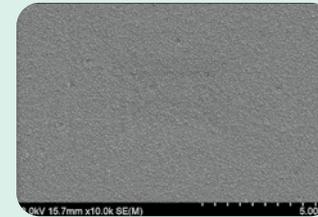
Clustering of conventional fillers, making the material susceptible to wear.

- Wear
- Resin
- Nano-filler

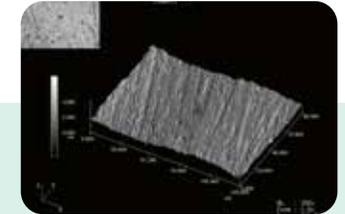
### Nano-filler technology



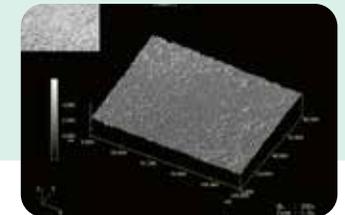
Evenly dispersed particles due to GC's nano-filler technology.



SEM showing uniform dispersion of nano-fillers.  
Source: GCC R&D, Japan.

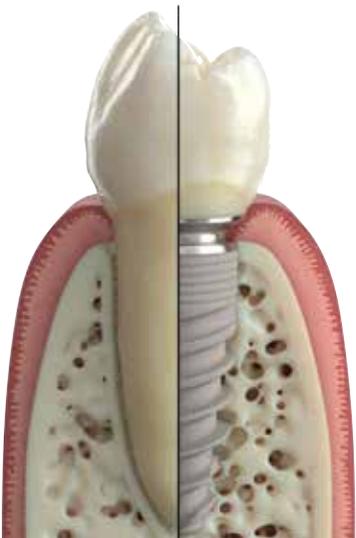


Competitor coating agent without fillers.



OPTIGLAZE color  
Source: GCC R&D, Japan

## Smooth surfaces



With OPTIGLAZE color, the surface remains very smooth over time. Plaque accumulation at critical areas such as implant crowns or pontics is minimised, which is beneficial in avoiding peri-implantitis or gingivitis.



# Achieve the most outstanding results by painting your aesthetics with OPTIGLAZE color



## CAD/CAM blocks and discs

Restorations milled from CAD/CAM blocks and discs in PMMA, composite or hybrid ceramic can be individualised with OPTIGLAZE color. One of GC's most advanced CAD/CAM blocks is CERASMART™270. With its improved strength and wear resistance, it's on the cutting edge of restorative dentistry. The material can easily be glazed and characterized using GC's wear resistant OPTIGLAZE color coating.



Milled PMMA. Courtesy of MDT Axel Seeger, Germany

## Boost your temporary restorations

Add gloss and character to all your temporary restorations with OPTIGLAZE color. It's ready to use and easy to handle whether your restoration is made from a conventional acrylic like UNIFAST® III, milled in PMMA or printed with GC Temp PRINT®. The renowned nano-filler technology gives a high wear resistance and long-lasting gloss to all your printed temporary crowns and bridges.



Printed GC Temp PRINT. Courtesy of MDT Leonardo Cavallo, Italy





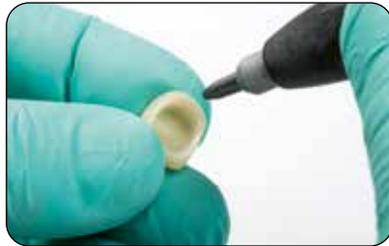
## Indirect composites and hybrid ceramics

OPTIGLAZE color can be used to give colour to all your indirect composite and hybrid composite restorations, like GC's GRADIA® PLUS. The light-curable, nano-hybrid composite has improved physical properties and offers a wide range of clinical applications, unsurpassed durability, natural opalescence and excellent, lifelike aesthetics. Whether you want to layer or inject, characterize internally or externally, OPTIGLAZE color is the perfect partner for all your composite restorations.

### External application



Finish



Prepare

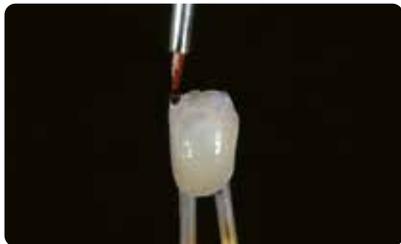


Apply



Light cure

### Internal application



Internal characterization and enamel layering

GC's GRADIA® PLUS Lustre Paints, part of the modular GRADIA® PLUS system, can easily be combined to produce even more colour nuances. Create your own preferred consistency and save valuable time in the polishing stage using this nano filled characterization coating.



## We are all unique ... and so are our teeth



With OPTIGLAZE color, you can accentuate the individual characteristics of acrylic teeth and gingiva - ensuring the patients' denture matches their facial features and personality. The best dentures are the ones you don't notice.



Courtesy of MDT Jean-François Deche, France



Courtesy of RDT Lisa Johnson, UK



## Shades

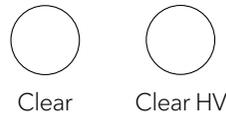
For the adjustment of shade (chroma)



For the characterization or reproduction of fissures, mamelons, cervical area, white band, crack lines, etc.



For diluting other shades and glazing (surface coating)



OPTIGLAZE color is light cured with a suitable light curing device with an effective wavelength output below 430nm.

## Labolight DUO

The days when you needed two curing devices in your laboratory (one for intermediate and another for final curing) are now a thing of the past. GC is now offering a state of the art multi-functional light curing device for the technician combining 2 curing modes: pre-curing (step mode) and final curing (full mode).

### Latest LED technology inside

Equipped with double wave length LED technology, the Labolight DUO can be used to cure any of GC's composites in a secure and durable way. It offers a wavelength range of 380nm – 510nm with spectrum ranges peaks of:

- 465 nm-485 nm (12 Blue LED's)
- 390 nm-400 nm (3 Violet LED's)

This technology ensures optimal hardening of all light cured dental materials, while the high power outlet reduces light curing cycles.

### Automated rotary system

The reflective plate distributes all light effectively and exposes your works from all sides. The curing stand carefully positions the objects during all lightcuring cycles.



### Compact & ergonomic design

GC's Labolight DUO is not only capable of handling most of your work, it looks good as well. The award winning sleek, contemporary styling with smooth surfaces, allows for easy cleaning and reduces the space it takes in your lab.

This design serves the usability: the interface is very simple and intuitive and the inner parts are easily accessible thanks to the wide opening.



Step mode



Full mode



## OPTIGLAZE color packaging

### Articles and References

#### OPTIGLAZE color

- The effect of glazing and aging on the surface properties of CAD/CAM resin blocks. N.Tekçe, S. Fidan, S. Tuncer, D. Kara, M. Demirci. J Adv Prosthodont 2018;10:50-7
- Effect of Protective Coating on Surface Properties and Candida Albicans Adhesion to Denture Base Materials. M. Ali AlBin-Ameer, M. Y Alsrheed, I.A Aldukhi, A. Matin, S. Q Khan, R. Abualsaud, M.M Gad. Journal of Prosthodontics, 25 October 2019

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- Eine Hybridkeramik als ergänzendes CAD/CAM-Material für Einzelzahn- und Implantat-Versorgungen. C. Fischer. Dental Dialogue, 17, March 2016, pp. 76-89.
- Traiter l'usure dentaire grace à une intervention minimale. S. Mehta. Dentoscope, November 2016, Nr. 168. Pp.38-47.
- A CAD/CAM fabricated GC Cerasmart onlay patient case. A. Cantagalli. Spectrum Dialogue Vol.18 No.8-October 2019

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10001150	OPTIGLAZE color, Set
10001151	OPTIGLAZE color A Plus, 2.6 ml
10001152	OPTIGLAZE color B Plus, 2.6 ml
10001153	OPTIGLAZE color C Plus, 2.6 ml
10001154	OPTIGLAZE color White, 2.6 ml
10001155	OPTIGLAZE color Ivory White, 2.6 ml
10001156	OPTIGLAZE color Yellow, 2.6 ml
10001157	OPTIGLAZE color Orange, 2.6 ml
10001158	OPTIGLAZE color Pink Orange, 2.6 ml
10001159	OPTIGLAZE color Red Brown, 2.6 ml
10001160	OPTIGLAZE color Olive, 2.6 ml
10001161	OPTIGLAZE color Grey, 2.6 ml
10001162	OPTIGLAZE color Blue, 2.6 ml
10001163	OPTIGLAZE color Lavender, 2.6 ml
10001164	OPTIGLAZE color Pink, 2.6 ml
10001165	OPTIGLAZE color Red, 2.6 ml
10001166	OPTIGLAZE color Clear, 5 ml
10001167	OPTIGLAZE color Clear HV, 5 ml