Natural fit and flexibility

CERASMART™270 from GC

Force Absorbing Hybrid Ceramic CAD/CAM Block
Thanks to the newly developed “Full Coverage Silane Coating” (FSC) with improved nanofiller technology, CERASMART™270 offers high physical and aesthetic properties.

The milling is fast and efficient, making it possible to create a qualitative restoration with fine margins and optimal fit in a very short time.

Additionally, it can be polished or characterised for more vibrant aesthetics. CERASMART™270 is the right block to use, be it for a quick onlay or a challenging wear case.

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For restorations that pass the test of time

- Fine margins & optimal fit
- Fast & efficient milling
- Flexibility to absorb shock effects
- Superior strength to endure mastication forces
- Shades that blend in naturally
- Unsurpassed wear resistance

**Indications:**

- Metal free indirect restorations
  - full crown
  - onlay
  - inlay
  - laminated veneer
  - Implant supported crown
- The High Translucency (HT) blocks are mainly used to replace enamel: inlays, onlays, veneers, partial and full crowns.
- The Low Translucency blocks are intended for the replacement of dentin and enamel structures: to mask discoloured preparations, in particular for crowns.

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**Blending Strength & Flexibility together**

- Superior strength to endure mastication forces
  - High filler rate thanks to FSC technology
  - Improved flexural strength for more durable restorations
  - High resistance to fracture

- Flexibility to absorb shock effects
  - Less stress peaks during chewing
  - Decreased risk of material fatigue
  - Extremely well suited for implant restorations

- Wear resistance for long lasting restorations
  - Very low wear
  - Ideal for bruxist patients
  - High gloss retention

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**Modulus of elasticity (GPa)**

- CERASMART™270: 9.6
- Grandio: 9.6
- Brilliant: 9.6
- VITA ENAMIC: 23

**Three-body wear (µm)**

- CERASMART™270: 15
- Grandio: 10
- Brilliant: 7
- VITA ENAMIC: 7

*Source: GC R&D, Japan, 2018. Data on file*
Aesthetics and Precision

- Sharp margins that ensure a smooth transition

After quick and easy milling without chipping, you are guaranteed very precise and naturally smooth margins.

- Superior polishability and gloss retention

Thanks to its ultrafine glass filler, CERASMART™270 is very easily polished and maintains a much higher gloss rate than its competitors for the same amount of time.

- Shades that blend in naturally

For a natural smile using only one shade.

- Optimal fluorescence and translucency

Beautiful colours for a natural appearance. Warm, lifelike shades with an optimally balanced fluorescence and opalescence.
Beautiful and Easy

- Choose your finishing path

**Characterisation**

Because everything looks better in colour

Add character to your restoration with the stroke of a brush using OPTIGLAZE color, ready to use and wear resistant glossy coating.

You can choose from a wide variety of colours or use the Clear glaze to add gloss only.

**Polishing**

Fast and easy polishing

An impressive gloss level can be obtained by just some simple polishing steps.

Polishing can be done with your standard polishing wheels and burs.

Easy and fast pre-treatment and luting options

- **Etch or Sandblast**
- **Silane or MDP**
- **Pre-treat the tooth**
- **Lute**

CERASMART270 is the only hybrid ceramic material that can be etched with hydrofluoric acid or can be sandblasted.

In both cases, the use of the universal G-Multi PRIMER will always be a good choice, since it contains both silane and MDP.

Choose your etching mode depending on the presence of enamel and dentin on your preparation. Apply a bonding agent such as G-Premio BOND.

Use an adhesive luting agent such as G-CEM LinkForce.

Luting options for restorations that last

- **G-CEM LinkForce**

Universal dual cure resin cement with trusted performance.

Whenever in doubt the GC Luting App is there to help you for a correct protocol.
Precision that lasts.

Aesthetics that do not fade.

Increase of the vertical dimension

With its high flexural strength and breaking energy, CERASMART™270 is perfectly suited to solve challenging occlusal situations. Its balanced surface hardness will be especially beneficial in reducing the wear of the opposing dentition, while ensuring a long-lasting gloss of the restoration.

Single visit restorations

With CERASMART™270 you can create durable aesthetic restorations with optimal fit in a single visit. The restoration will be milled in a few minutes and is very friendly to your milling burs.

Replacement of a large composite restoration with parapulpal pins

The right choice for large, load-bearing restorations.

Implant-supported crown

The elasticity of CERASMART™270 is especially useful when placing an implant supported crown.

Restoration of a second molar

Natural blending with only one shade makes it a great material for a standard molar restoration.

Restoration of a quadrant

Perfect for creating several restorations in one appointment.
Shade range:
Choice of translucency to adapt to all preparations

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Related Products

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