Wear is real, so are our solutions

Long-term indirect solutions for severe wear cases

Smile for the World

Since 1921

100 years of Quality in Dental

'Wear' to start? There's no strict rule for choosing direct or indirect treatment, but the goal is always to stay as minimally invasive as possible. Most cases start with direct restorations. However, in complex cases with severe or pathological wear, indirect materials may be required. It requires products that stand the test of time while remaining gentle on the existing dentition.
GC products are designed with these needs in mind, providing dependable support throughout the entire treatment journey.

DENTIST

Assessment should include:

Extent of tooth loss

Etiology

Progression wear rate

Clinical & functional diagnosis

In severe generalised wear, careful planning is crucial to balance aesthetics, function, and phonetics while keeping treatment minimally invasive. Literature indicates the vertical dimension of occlusion (**VDO**) **can be safely increased–typically up to 5 mm** in the incisal region–within the patient's comfort zone.

Aesthetic & functional treatment planning

LAB

Wax-up, creation of models, keys and provisionals

Clear communication between clinician and laboratory is key to achieving a functional and aesthetic rehabilitation.

The most detailed anatomy can be created in a very simple way! Small adjustments or adaptations in occlusion can easily be made by grinding or adding resin composite. **GC Fuji TEMP LT** is convenient for temporary luting.
Courtesy of: RDT Stephen Lusty, UK

GC Temp PRINT

3D printable light curing composite for temporary crowns and bridges

- ✓ Excellent stable mechanical properties
- ✓ MMA-free/for DLP printing
- ✓ Compatible with OPTIGLAZE color

This case required an increase of vertical dimension. Placement of **TEMPSMART DC** provisionals immediately provides an impression of the final outcome.
Courtesy of: Dr. C. Lampson, Germany

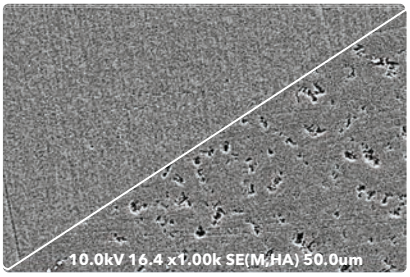
TEMPSMART DC

Dual-cure bisacrylic composite for temporary crowns and bridges

- ✓ Non-sticky handling
- ✓ High fracture toughness
- ✓ Quick polish, lasting gloss
- ✓ Repairable and rebaseable

Mock-up and mock-up guided tooth preparation

Intermediary phase with provisionals



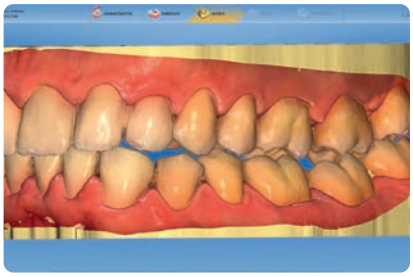
Comparison of the polished (second-polish) surface of **Initial LiSi Press** (top left) versus **conventional lithium disilicate** (bottom right) at identical magnification.

A patient with severe erosive wear was treated with **Initial LiSi Press** partial restorations in the posterior zone.
Courtesy of: Dr. Z. Ali, UK

Initial LiSi Block & Press

Lithium disilicate solutions for milling and pressing

- ✓ Superior aesthetics
- ✓ Refined lithium disilicate with HDM technology for unsurpassed physical properties
- ✓ Smooth margins and superior polishability due to the homogeneous structure



Posterior occlusion was restored with **CERASMART270** in a patient with bruxism
Courtesy of: Dr. C. Moussally, France

CERASMART270

Force absorbing hybrid ceramic CAD/CAM block

- ✓ Homogeneous filler dispersion thanks to FSC technology – strong, smooth and long-lasting
- ✓ Buffers heavy bite forces
- ✓ Easy chairside repair

Restoration manufacturing

This patient with severe erosive wear needed replacement of a defect crown on tooth 16. It was replaced with zirconia
Courtesy of: Dr. Z. Ali, UK

The **Initial Zirconia** solutions allow for maximum individualisation options with the minimum of means.

Initial Zirconia Solutions

High-strength zirconia disks and characterisation options

- ✓ Omni-functional: broad range of indications, regular or fast sintering
- ✓ Thin restorations for every type of preparation
- ✓ Outstanding aesthetics with Initial IQ ONE SQIN
- ✓ Available in ST, HT, UHT or Multilayer

Cementation

G-CEM ONE exhibits high intrinsic colour stability
Courtesy of: Dr. G. Pongione, Italy

FujiCEM Evolve assures moisture-tolerance and an easy cleanup
Courtesy of: Prof. R. Sorrentino, Italy

G-CEM ONE

Universal self-adhesive resin cement

- ✓ Universal and self-adhesive
- ✓ High bond strength in all modes
- ✓ Resistant to discolouration
- ✓ High wear resistance

FujiCEM Evolve

Resin-modified glass-ionomer cement

- ✓ One-step application
- ✓ Less technique-sensitive than resin cements
- ✓ Moisture tolerant
- ✓ Optimal adhesion to zirconia
- ✓ Low film thickness and precise adaptation

Boost your expertise!

Interested in learning more about the indirect treatment of tooth wear?

GC Europe Campus
meeting & education centre

Wear Focus page with bundled information and videos – scan the QR code to explore more

Webinars (live and on demand)

Want more? Ask your local sales rep for more info on:

Courses on GC Europe Campus or various other locations across Europe and Middle East

Demo's by product specialists

Wear is real, so are our solutions

Long-term indirect solutions for severe wear cases

GC Temp PRINT
3D printable light curing composite for temporary crown and bridge

Initial LiSi Block
Lithium disilicate solutions for CAD/CAM

Initial LiSi Press
Lithium disilicate solutions for pressing

Initial Zirconia Disks
ST, HT, UHT & Multilayer Zirconia CAD/CAM disks for demanding cases

G-CEM ONE
Universal Adhesive resin cement system

TEMPSMART DC
Dual-cure bisacrylic composite for temporary crowns and bridges

CERASMART270
Force absorbing hybrid ceramic CAD/CAM block

Initial IQ ONE SQIN
Painting and micro-layering system

Initial Zr-FS
Veneering system for zirconia frameworks

FujiCEM Evolve
Resin-modified glass ionomer luting cement

For ordering information, please check our online catalogue.

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