



Simplicity,
aesthetics and
performance in
your hands

G-ænial[®] A'CHORD
The advanced universal composite
with unishade simplicity

3M



Since 1921
Towards Century of Health

G-ænial A'CHORD revolution from GC

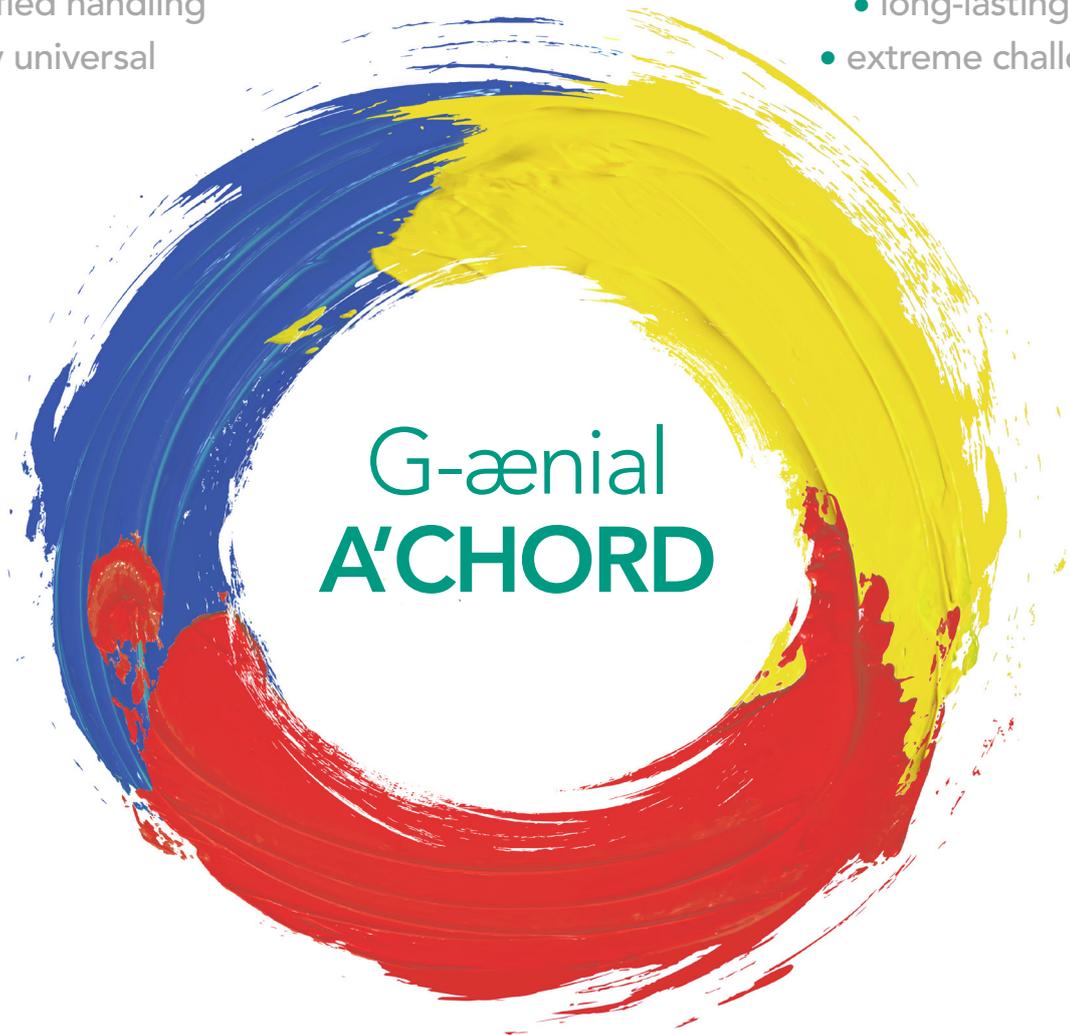
With more than 100 years of experience in serving dentistry and **over one billion composite restorations worldwide**, GC introduces its proprietary **High-performance Pulverised CERASMART (HPC) filler** and **Full-Coverage Silane Coating (FSC)** technologies with its latest universal composite G-ænial A'CHORD which brings together simplification, invisible fillings, natural fluorescence and **advanced technologies in one syringe**.

A'CHORD Simplification

- simplified unishade system
- simplified handling
- simply universal

A'CHORD Aesthetics

- natural fluorescence
- long-lasting gloss
- extreme challenges



A'CHORD Revolutionary technology

- proprietary filler and coating
- high stain and wear resistance
- excellent radiopacity

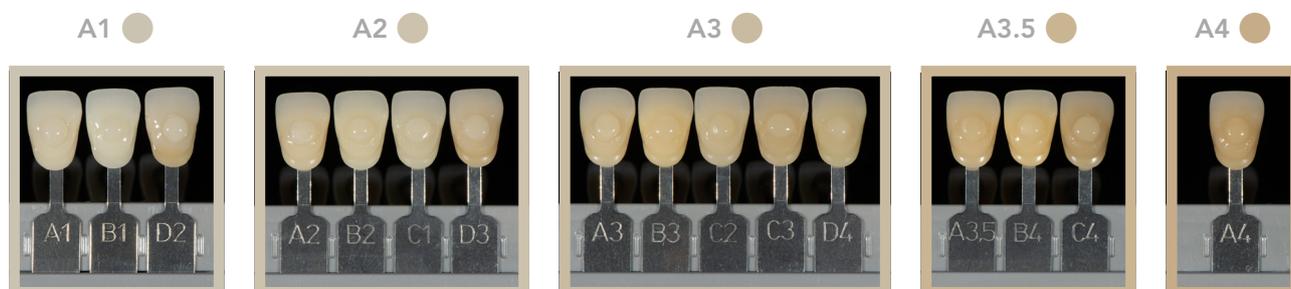
G-ænial A'CHORD is a **universal composite that delivers long lasting***, **invisible restorations***. Designed to save time and therefore costs, it brings together superior technology in a straightforward product. Now you can feel truly confident using a material with **effortless handling** even in challenging cases.

Impress your patients with this simplified solution.

A'CHORD Simplification

Simplified unishade

G-ænial A'CHORD always delivers more: a simplified unishade system of **5 core shades** that achieves the aesthetics of the 16 classic Vita shades **with ease**. With this reduced inventory, you will save time and costs. Its unique filler technology mimics natural light reflection resulting in impressive invisible restorations.



Simplified handling

G-ænial A'CHORD provides consistently simplified handling, whether sculpting with a hand instrument or using a brush. This is enabled by the non-sticky Bis-MEPP monomer and optimised filler-monomer combination of proprietary FSC and HPC technology (GC data on file).



Simply universal

G-ænial A'CHORD offers the combination of aesthetics and strength for both anterior and posterior restorations in one straightforward package.



Images courtesy of Dr A. Mak, Australia



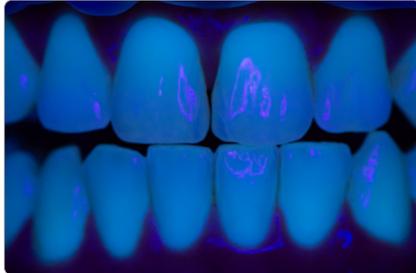
Images courtesy of Dr Y. Choi, Australia

A'CHORD Aesthetics

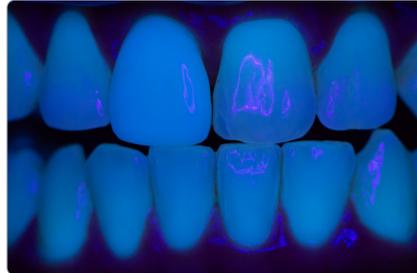
Natural fluorescence

G-ænial A'CHORD creates a **beautifully invisible and naturally fluorescent** end result under any lighting conditions, including black light, giving patients a **truly confident smile**.

Near-UV 405 nm initial situation



G-ænial A'CHORD veneer on tooth 11



Conventional composite veneer on tooth 11



Images courtesy of J. Tapia Guadix, Spain

Long-lasting gloss

G-ænial A'CHORD **polishes exceptionally*** and **retains a high gloss*** thanks to its specialised proprietary technology with uniform nano-filler distribution and high filler load.

Time-saving results: The remarkable high gloss achieved with minimal polishing.



Invisible aesthetics even for extreme challenges

In addition to its 5 core shades G-ænial A'CHORD extends its portfolio with 2 cervical shades for elderly patients, 3 opaque for masking discolouration, 2 enamel for life-like translucency and 2 bleach shades for brighter smiles, thus making it possible to create invisible fillings even for extreme challenges.



Images courtesy of Dr W. Boujema, France



Images courtesy of Dr G. Benjamin, Germany

* Source: GC R&D, Japan, 2020. Data on file.

A'CHORD Revolutionary technology

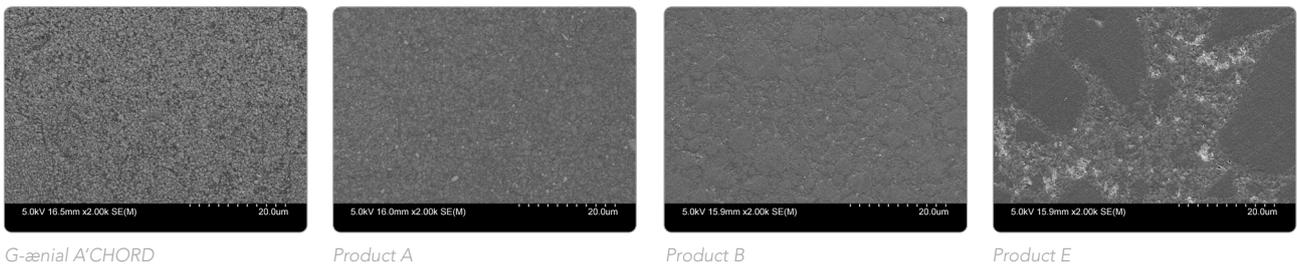
Proprietary filler and coating

G-ænial A'CHORD represents another significant step forward in the advancement of composite materials. It is the combination of two remarkable proprietary technologies created by GC; **Full-Coverage Silane Coating (FSC)** and **High Performance Pulverised CERASMART (HPC)**. The result? The ideal synergy between advanced physical properties such as wear resistance*, gloss retention* and low discolouration¹ with simplified handling, providing the clinician excellent adaptation to the cavity preparation. Reducing placement time, it provides excellent marginal integrity and consistently yields natural-looking restorations!

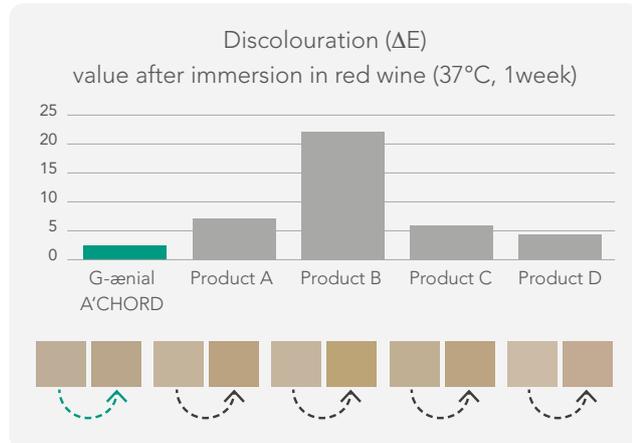
¹ Mizukami et al. IADR2020. Evaluation of Water Sorption and Colour Stability of Paste-Resin Composite. J Dent Res. 2020;99 Spec Issue A: #2471.

*Source: GC R&D, Japan, 2019. Data on file.

SEM comparison of different composite materials.

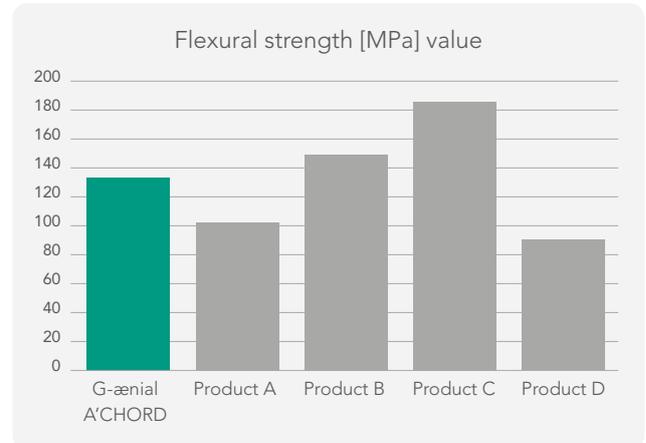


G-ænial A'CHORD High Stain and Wear Resistance



Source: GC R&D, Japan, 2020. Data on file.

G-ænial A'CHORD High Strength and Radiopacity



Source: GC R&D, Japan, 2020. Data on file.



Source: GC R&D, Japan, 2020. Data on file.

Radiopacity (318 % Al) optimizes the radiographic follow-up over time.



Image courtesy of Dr W. Boujemaa, France

Kit

G-ænia A'CHORD Layering Syringe Kit
G-ænia A'CHORD Layering Unitip Kit
G-ænia A'CHORD Universal Trial Syringe Kit
G-ænia A'CHORD Universal Trial Unitip Kit
G-ænia A'CHORD Bleach Syringe kit

Refill

G-ænia A'CHORD A1
G-ænia A'CHORD A2
G-ænia A'CHORD A3
G-ænia A'CHORD A3.5
G-ænia A'CHORD A4
G-ænia A'CHORD A5
G-ænia A'CHORD A6
G-ænia A'CHORD AO1
G-ænia A'CHORD AO2
G-ænia A'CHORD AO3
G-ænia A'CHORD JE (Junior Enamel)
G-ænia A'CHORD AE (Adult Enamel)
G-ænia A'CHORD BW (Bleach)
G-ænia A'CHORD BOW (Opaque Bleach)

Content

A2; A3; AO2; AE; JE
A2; A3; AO2; AE; JE
A2 x 2, A3 x 1
A2 x 2, A3 x 1
BW, BOW, JE

Category

Standard
Standard
Standard
Standard
Standard
Standard
Standard
Opaque
Opaque
Opaque
Enamel
Enamel
Bleach
Bleach



Related products



G-Premio BOND
Universal bonding agent



G-ænia® Universal Injectable
High-strength Injectable restorative



G2 BOND Universal
Universal 2-bottle bonding system



Composite Manipulation Brush
Available in packs:
2x brush handle
10x brush tips flat
10x brush tips round

G-ænia A'CHORD is a trademark of GC.



Since 1921
Towards Century of Health

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