Strong universal composites with beautiful flow.
Pure Genius.
GC innovation now gives you two options in high strength universal composites that flow.

**G-ænial Flo X**
A full strength flowable composite for traditional flowable applications

Perfect for:
> High radiopacity
> Excellent wetting and adaptation
> A lower viscosity, ideally suited for liner applications

**G-ænial Universal Flo**
A full strength, universal, injectable composite for all cavity classifications

Perfect for:
> Highly aesthetic
> Exceptional wear resistance
> Unmatched polish retention
> Controlled fluidity

Through filler innovation both G-ænial Flo X and G-ænial Universal Flo deliver similar high levels of strength while offering different viscosities tuned to the variation in composite handling preferences of individual clinicians.
NEW G-ænial Flo X

G-ænial Flo X is a high radiopacity and high strength flowable composite designed specifically for optimum handling in lining, micro cavity and fissure sealing applications. The best handling “conventional” flowable – yet with greater strength than most conventional composites.

A flowable with impressive strength

Innovation in filler technology gives you a high strength composite in a flowable consistency. Designed to be strong enough for application in any classification of cavity.

High radiopacity

Perfect for defining the cavity outline in radiographic images for direct or indirect procedures. G-ænial Flo X shows one of the highest radiopacity among flowable composites at 303%Al.

Enhanced fluidity – ideal handling for lining application

G-ænial Flo X gives you total control over the flow. It’s designed to wet and adapt yet maintain control for complete ease of application. You will love the handling!

**Flexural Strength**

<table>
<thead>
<tr>
<th>Composite</th>
<th>Flowable</th>
<th>Conventional</th>
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</thead>
<tbody>
<tr>
<td>G-ænial Flo X</td>
<td></td>
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<tr>
<td>Premise Flow*</td>
<td>Flowable</td>
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<tr>
<td>Grandio Flow*</td>
<td>Flowable</td>
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<tr>
<td>Tetric EvoFlow*</td>
<td>Flowable</td>
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<tr>
<td>Supreme Ultra Flow*</td>
<td>Flowable</td>
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<tr>
<td>G-ænial Universal Flo</td>
<td>Injectable</td>
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<tr>
<td>Grandio*</td>
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<tr>
<td>Empress Direct*</td>
<td>Conventional</td>
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<tr>
<td>Supreme XTE*</td>
<td>Conventional</td>
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</tbody>
</table>

Data Source: GC R&D

**Radiopacity**

Dr Joanna Wyszynski – Sydney

G-ænial Flo X 303%Al
Filtek Supreme Ultra Flow* 194%Al
G-ænial Universal Flo

G-ænial Universal Flo is a ground-breaking injectable composite that is stronger and more wear resistant than most conventional composites. It is highly aesthetic through excellent shade matching and colour stability, and then polishes easily to give a high gloss lustre that retains its beauty just like a microfill.

Impressive aesthetics

The aesthetics of G-ænial Universal Flo are to be truly admired. Thanks to its broad range of 15 shades highly aesthetic restorations can be achieved using single shade or layered techniques.

Superior polish retention

G-ænial Universal Flo gives you and your patients the highest levels of aesthetic outcome with a beautiful high gloss finish and excellent gloss retention.

True technology innovation

A new formulation of high translucency strontium glass was developed with an incredibly fine 200 nanometre particle size; half the size of previous generations of glass fillers used in micro hybrid composites!

Controlled fluidity

Injects like a flowable, yet will stack like a traditional composite.

Polish retention and wear resistance

Individually dispersed nano sized fillers used in G-ænial Universal Flo provide greater wear resistance. Added to these fillers is a new silane treatment that increases the strength and stability of adhesion between glass particle and resin matrix.

Macro fillers (e.g. Grandio Flow’) and clumped nano filler composites (e.g. Supreme Flow’) exhibit higher wear.
Questions and Answers

Q. I am having great success with G-ænial Universal Flo, in what situations would I consider using G-ænial Flo X?

A. G-ænial Universal Flo is a remarkable composite in that it is so strong and aesthetic yet its an injectable composite with a degree of flow during application and is thixotropic enough to be stacked and shaped.

G-ænial Flo X has the same strength as G-ænial Universal Flo but offers a higher level of flow during application with handling more like a conventional flowable composite. Therefore its benefit comes in clinical situations where you would like more flow. G-ænial Flo X also has a high level of radiopacity so it is indicated where strong radiographic identification is a priority.

Both materials look great and are made using advanced manufacturing techniques that ensure a high level of quality and performance.

Q. How do G-ænial Universal Flo and G-ænial Flo X compare in their filler composition?

A. G-ænial Flo X is 69% filled by weight, 46% filled by volume. It has an average particle size of 700-nm. G-ænial Universal Flo is 69% filled by weight, 50% filled by volume. It has an average particle size of 200-nm.

Q. Is G-ænial Universal Flo and G-ænial Flo X suitable for restorations in any cavity classification?

A. Yes, G-ænial Universal Flo and G-ænial Flo X have exceptional flexural strength surpassing many other conventional composites.

Q. How does the level of shrinkage stress compare to other composite materials?

A. Due to their lower modulas of elasticity, traditional flowable composite materials have tended to exhibit lower polymerisation shrinkage stress. G-ænial Flo X has a similar level of shrinkage stress.

Q. What is the resin used in G-ænial Flo X and is it compatible with other UDMA and bis-GMA based composites?

A. The resin used in GFX is Bis-MEPP, a modification of Bis-GMA which is compatible with UDMA and bis-GMA.

Q. What are the recommended curing times for G-ænial Flo X?

A. Using a Halogen or LED light with output of 700 mW/cm² will give a 2mm depth of cure for shades A1, A2 and A3. It will give a 1.5mm depth of cure for shade AO2.

Q. What is the level of radiopacity for G-ænial Flo X?

A. In a 1mm thickness it is 303%Al.

* Not trademarks of GC Corporation
GC Universal Composites

**G-äenial Flo X**

3.4gm (2.0mL) syringe, 20 dispensing tips
Dispensing Tip III refill 30pcs
Available in 4 shades: A1, A2, A3, Opaque AO2

**G-äenial Universal Flo**

Standard:
A1, A2, A3, A3.5, A4, BW, B1, B2, B3, C3, CV
Inside (Opaque):
A02, A03
Outside (Enamel):
AE, JE

**GRADIA DIRECT X**

Standard:
Inside shade:
X-AO2
Outside shade:
X-WT

**G-äenial ANTERIOR**

Standard:
XBW, BW, A1, A2, A3, A3.5, A4, B1, B2, B3, C3, CV, CVD
Inside special:
AO2, AO3, AO4
Outside special:
JE, AE, SE, IE, TE, CVE

**G-äenial POSTERIOR**

Standard:
P-A1, P-A2, P-A3, P-A3.5
Outside special:
P-JE, P-IE

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