

Grandio[®]SO Light Flow

Grandio[®]SO

Light Flow

FLOWABLE NANO-HYBRID RESTORATIVE MATERIAL,
LOW VISCIOUS



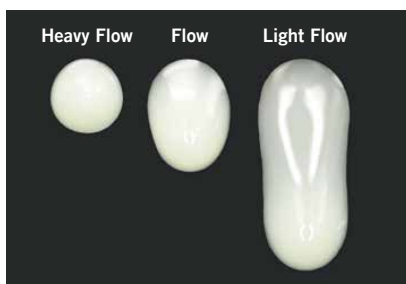
VOCO
THE DENTALISTS

Grandio®SO Light Flow

THIN FLOWING, PRECISE AND HIGH-STRENGTH

Filling small cavities and the repair of defects are recurring tasks in the dental practice. The primary goal is minimally invasive treatment to minimise the loss of healthy tooth substance. For these precise applications, dentists require a highly flowable material which at the same time displays the familiar excellent properties and resilience of a packable restorative composite.

To meet this requirement, VOCO has now expanded the proven GrandioSO product range with a low-viscosity nano-hybrid composite – **GrandioSO Light Flow**. VOCO's new flowable composite is thin-flowing, precise and high-strength.



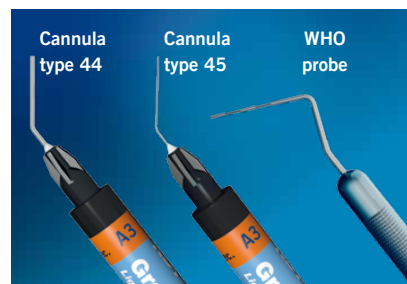
Flowability comparison on a vertical plane

Flowable and stable at the same time thanks to optimal thixotropic properties

To suit the respective indication, or of course your personal preference for a specific flowability, VOCO now offers you the option of choosing freely between three different flow viscosities. While the *highly viscous* GrandioSO Heavy Flow and the *medium-viscosity* GrandioSO Flow are both universal flow composites suitable for all classes of cavities, GrandioSO Light Flow's particularly *low viscosity* makes it an optimal addition to the family for delicate and customised applications where top precision is key. The optimal thixotropic properties of the material mean it is very flowable during the application but subsequently retains its shape and stays where it is put (flow on demand).

Extra fine cannula allows precise application

Every pack of GrandioSO Light Flow includes two types of cannula with different diameters. The choice is yours: We recommend the extra-fine cannula (cannula type 45) for precise and pinpoint application as required in the repair of fillings, for example. This cannula is considerably smaller than a periodontal probe (see image on right) and thus particularly recommended for hard-to-reach areas and minute cavities. Also thanks to the fine cannula, excess residues are avoided and thus work can be completed using less material overall. In contrast, if you require more material for application over a greater surface area, such as lining the floor of a cavity, then cannula type 44 is the right choice.



Clinically proven

Dentists who already use GrandioSO Light Flow praise its outstanding flow behaviour, precise application in small and minute cavities and the ease with which even larger areas can be covered using the appropriate cannula.

Expert opinion

Dr. A. Kersting, Cuxhaven (Germany): "GrandioSO Light Flow is an extremely flowable and at the same time highly stable composite, which achieves maximum precision with ease, particularly thanks to the very fine cannula."

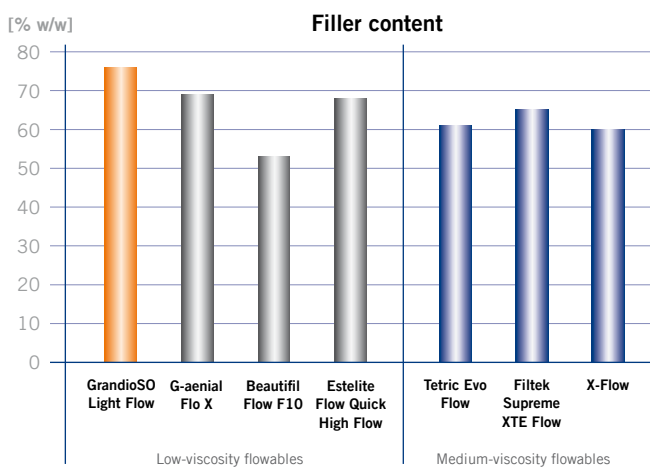
Grandio®SO Light Flow

A STRONG MATERIAL FOR A WIDE RANGE OF APPLICATIONS

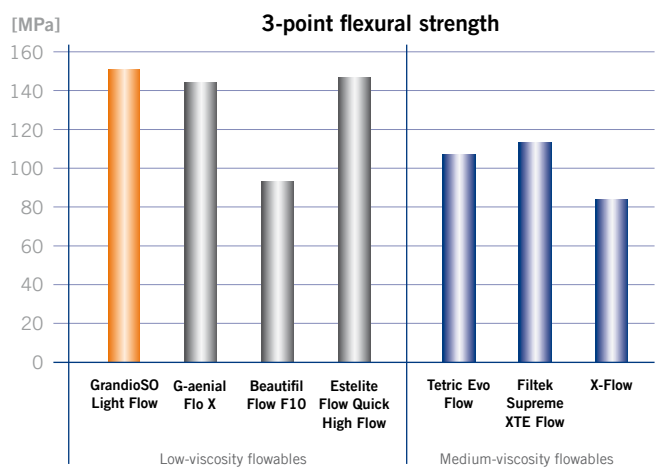
No compromises in terms of the physical properties

High flowability often has a negative effect on the stability of the material, but not in the case of GrandioSO Light Flow. Despite its excellent flowability, the product offers impressive physical properties. For example, with a filler content of 76 % by weight and a 3-point flexural strength of 151 MPa,

it effortlessly attains values similar to those of a packable composite. Furthermore, its water absorption and water solubility values are also excellent. VOCO's decades of experience in the field of nano-hybrid technology guarantee that GrandioSO Light Flow can be used safely and reliably for its wide range of indications.



Source: According to manufacturer's specifications



Source: In-house measurements

Treatment of an anterior tooth defect with GrandioSO Light Flow



Initial situation: Enamel fracture on tooth 11



Pre-treatment of enamel fracture



Filling of defect with extra-fine cannula and GrandioSO Light Flow without excess residues



Final result after finishing

Source: Dr. Walter Denner, Fulda / Germany

Restorative treatment on teeth 36 and 37 with GrandioSO Light Flow



Cariou lesion in the foramen caecum of tooth 36 and occlusal surface of tooth 37



Prepared and conditioned cavities



Filling of vestibular and occlusal cavities with GrandioSO Light Flow



Final result: Thanks to the extra-fine cannula and low viscosity, only polishing is required. More extensive finishing is not necessary.

Source: Dr. Walter Denner, Fulda / Germany

Grandio®SO Light Flow

FLOWABLE NANO-HYBRID RESTORATIVE MATERIAL, LOW VISCOUS

Indications

- Filling / characterisation of small cavities
- Filling / characterisation of class III, IV and V cavities
- Extended fissure sealing
- Blocking out undercuts
- Lining or coating cavities
- Repairing fillings, veneers and temporary restorations
- Luting translucent prosthetic pieces

Advantages

- **Low viscosity** – outstanding flow properties and therefore optimally suitable for hard-to-reach areas and small cavities
- **Extra-fine cannula** – for precise and pinpoint application, dosage without excess residues, and for material savings
- **High performance** – excellent physical properties, e.g. filler content of 76 % by weight
- **High aesthetics** – 8 shades for individual applications
- **Excellent handling** – NDT®-syringe – non-drip, compatible with all light-curing bonding materials

8 shades – The choice is yours

Light-curing 20 sec.
at 500 mW/cm²



Light-curing 40 sec.
at 500 mW/cm²



Extra-fine
cannula



Presentation

- REF 2585 Set syringe 5 x 2 g (A1, A2, A3, A3.5, WO), shade guide, accessories
- REF 2144 Application cannulae type 44, 100 pcs.
- REF 2147 Application cannulae type 45, 100 pcs.

Shade	Syringe 2 x 2 g, accessories	Shade	Syringe 2 x 2 g, accessories
A1	REF 2586	B1	REF 2590
A2	REF 2587	WO	REF 2591
A3	REF 2588	OA2	REF 2592
A3.5	REF 2589	Incisal	REF 2593

G-aenial Flo X, Beautifil Flow F10, Estelite Flow Quick High Flow, Tetric Evo Flow, X-Flow and Filtek Supreme XTE Flow are not registered trademarks of VOCO GmbH.

VOCO GmbH
Anton-Flettner-Straße 1-3
27472 Cuxhaven
Germany

Freecall: 00 800 44 444 555
Fax: +49 (0) 4721-719-140

info@voco.com
www.voco.dental

Available from: