Products for dental technicians

everStick®C&B

Content	Article number
2 x 12 cm	900833
1 x 8 cm	900834

Stick

Content	Article number
4 x 15 cm	900820

StickNET

Content	Article number
3 x 30 cm²	900821

everStick®NET

Content	Article number
30 cm²	900818

StickRESIN, 5 ml

Article number 900823

GC G-ænial Universal Flo (2 ml/3.4 g per syringe)

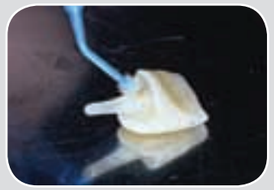
Refill: 1 syringe, 20 Dispensing Tip III Plastic

Content	Article number
shades A2	004203
shades A3	004204

StickREFIX L

Article number 900824
3+3 silicone instruments

IPN makes the difference!
Superior bonding with patented IPN* matrix



The key factor for successful FRC (Fibre Reinforced Composite) restorations or dentures is proper bonding between the fibres and the composite/acrylic.

Only everStick and Stick fibre products have the unique and patented Interpenetrating Polymer Network or IPN structure, which can be reactivated with resin. This reactivation dissolves linear polymers and forms new chemical bonds. The resin can also penetrate deeper into the fibre matrix which improves the micromechanical retention. Reactivation is crucial for superior bonding when cementing the laboratory manufactured everStick or Stick restorations to the teeth and when repairing or remodelling fibre reinforced composite restorations.

Beside the IPN structure, both fibres have also a patented matrix chemistry:
- everSti ck fibres consist of a cross-linked and a linear polymer mixture
- Sti ck fibres consist of a porous linear polymer matrix

As a result of all of this, the adhesion between fibres and composites, composite cements or acrylics is superior and offers reliable indirect bridge applications.

This makes Stick and everStick products fundamentally different from any other fibres or composite materials available on the market.

* IPN = Interpenetrating Polymer Network

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For Dental Laboratory

everStick® and Stick from GC

fibre reinforcements for dental laboratory

• Extra strong • Multiple purposes • Easy to use
• Reliable • Aesthetic • Cost effective
• Scientifically proven • Minimally invasive

everStick®
GIANT OF FIBRES

everStick® and Stick glass fibre reinforcements
- premium products for premium laboratory work

everStick and Stick fibre reinforced composites (FRC) provide a strong, aesthetic and profitable solution for strengthening composites and acrylics. They are made of silanated E-glass fibres embedded in a polymer matrix.

You can choose between everStick and Stick fibres:

- everSti ck fibres are prewetted and ready to use. They are impregnated with thermoplastic polymer and light curing resin matrix.
- Sti ck fibres are dry and they should be wetted with a light-curing resin or a heat/cold curing acrylic depending on the indication. Stick fibres have a porous thermoplastic polymer matrix (PMMA).

everStick®C&B

especially recommended for bridges

- Surface retained bridges
- Inlay and onlay bridges
- Hybrid bridges
- Implant supported bridges
- Temporary bridges

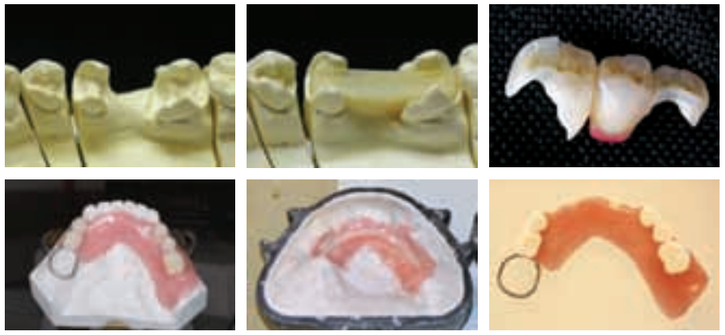
And also for
- R emovable dentures

Stick

especially recommended for dentures

- New partial and full removable dentures
- Denture repairs

And also for
- Surface retained bridges
- Inlay and onlay bridges
- Implant supported bridges
- Hybrid bridges
- Temporary bridges



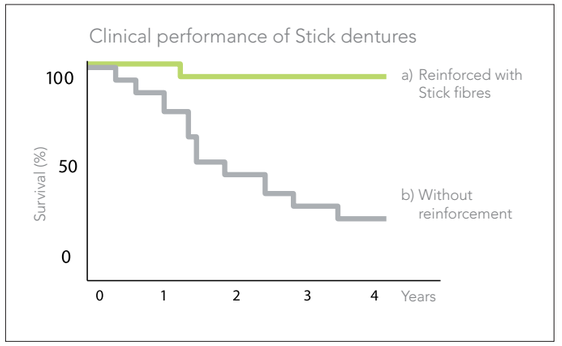
StickNET & everStick®NET

especially recommended for reinforcing crowns and thin areas of removable dentures

- Crowns
- Post and core crowns
- Veneers
- Thin areas in removable dentures
- Clasp areas in removable dentures

By courtesy of Shinya Akikatzu, Pasi Alander, Max Grimbaum, Georg Grumming, Stefan Ahlbom

Excellent long term clinical data proves the product benefits



- Solution for a wide range of indications
- Compatible with most composites and acrylics
- Unique patented bonding
- Low starting investments
- Simple and time-saving fabrication method
- Stronger than other fibres[1]
- As strong as metal[2]
- Metal free and aesthetic
- Easy to repair
- Extensive research data

a) Clinical survey of acrylic resin removable denture repairs with glass-fibre reinforcement. Narva K, Vallittu PK & Yli-Urpo A, Int J Prosthodont 2001;14:219-224.
b) Frequency of damage to and need repairs of removable dentures. Yli-Urpo A, Lappalainen R, Huuskonen O., Proc Finn Dent Soc 1985; 81: 151-155

Easy way to replace missing teeth

Aesthetic. Because of the transparency of the fibres the FRC bridges are as aesthetic as full ceramic bridges.

Reliable. For more strength, simply add more fibres. Several scientific researches prove that FRC bridges are as strong as porcelain fused to metal restorations - or even stronger[2]. The strenght is based on superior bonding between the fibres and laboratory composites/composite luting cements.

Profitable. Initial investments with everStick and Stick fibres are minimal for the laboratory. All you need is the fibre, the composite and a light-curing unit. everStick and Stick fibres are compatible with most known laboratory composite systems.

Image by Dr. Magdalena Kukurba-Setkowicz - Poland

Strong Stick dentures

Stick fibres are superior materials to reinforce and repair all types of removable acrylic dentures and orthodontic appliances.

Denture base acrylics reinforced with Stick fibres are proven to be stronger - even more than 100 times stronger than plain denture base acrylic[3].

Debondings between the reinforcements and denture base acrylics are typical with polyethylene fibres and metal reinforcements. The PMMA matrix, inside the stick fibres, ensures an excellent bond with denture based acrylics. The risk of debonding is thereby eliminated.

Source: 1. Freilich MA. & Meiers JC. Dent Clin North Am 2004; 48: 545-562. 2. Dyer SR. PhD-Thesis, University of Turku, Finland, 2005. 3. Vallittu PK. J Prosthodont 1996; 5: 115–121.