Features

- Optimal durability
- Excellent aesthetics
- High wear resistance
- Stain-resistant
- Superior handling
- Light-cure bonding

GC **Aligner Connect**™

Specifically formulated for aligner attachments

Bonding Protocol

Experts in Orthodontics

GC Orthodontics Europe GmbH

www.gcorthodontics.eu

GC **Aligner Connect**™

A first in the industry, GC Aligner Connect was specifically developed for orthodontic aligner attachments. GC Aligner Connect features enhanced aesthetics that imitate enamel color shades and high durabilty, which limits longterm wear or potential detachment during treatment. Adhesion is achieved with a ligh-cure bonding agent such as G-premio Bond, Ortho Solo or Assure.

Aesthetic

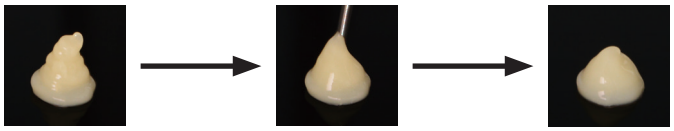
With Aligner Connect, the high aesthetic advantage of an orthodontic aligner treatment is preserved thanks to its ability to imitate the appearance of tooth enamel. When evaluated by a goniophotometer (instrument that measures light at various angles), Aligner Connect's results showed excellent color matching due its optical properties similar to enamel.

Handling

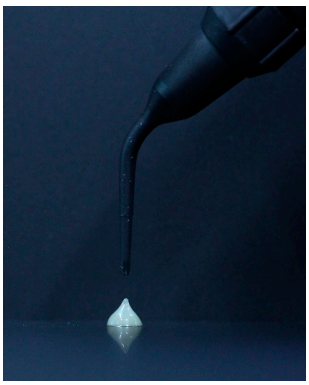
- Superior handling due to flowability and paste consistency
- Optimal curability even through attachment tray

Thixotropy

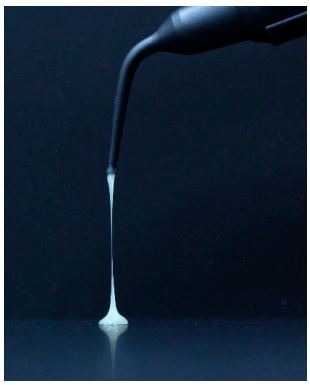
Vibrating the paste with the dispensing tip causes a slight fluidity for a more precise application.



Extrusion → Vibrating with dispensing tip → Lightly fluid



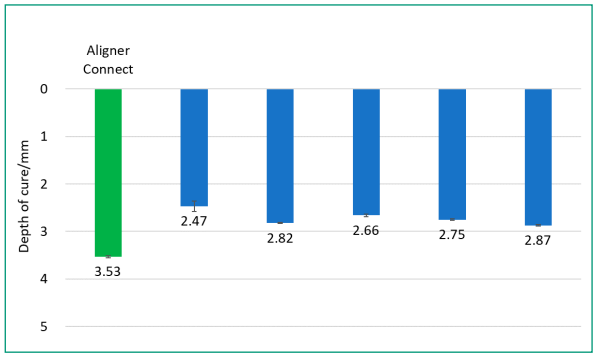
Aligner Connect does not become stringy



Stringy paste

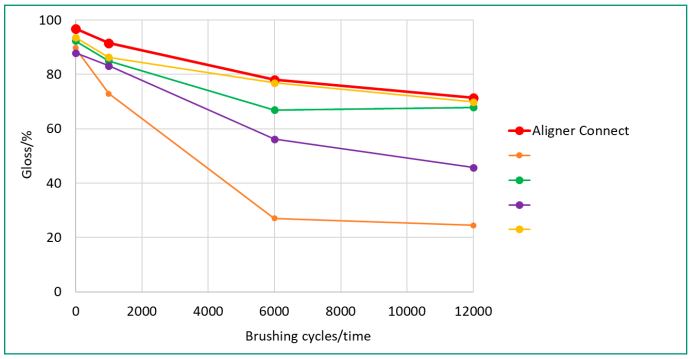
Mechanical properties

Depth of cure through attachment tray sheet



Aligner Connect showed sufficient curing depth even through the attachment tray and also a higher strength than conventional resin. Ten seconds with a LED light >1200mW/cm2 were necessary for in mouth curing.

Toothbrushing wear test



Aligner Connect maintained high gloss and long-term aesthetics after 12,000 brushings (equivalent to 1 year of brushing).

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Towards Century of Health