

Bifix® QM

DUAL-CURING RESIN LUTING SYSTEM

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A durable luting of metal and non-metal alloys, ceramics and resin restoratives, which place extremely high demands on the physical and application quality of luting systems.

As an adhesive luting system for

- Inlays and onlays
- Veneers
- Crowns (including full ceramic) and bridges (including combination bridges)
- Maryland bridges
- Supra-structures for both core build-ups and implants
- Pins and posts for root canals

Bifix QM is the perfect, aesthetic solution.

Thanks to Futurabond DC, the nano-reinforced dual-curing self-etch bond, making compromises with regards to adhesion belongs to the past, particularly with root pins.

Proven, coordinated with each other system components with excellent material properties make Bifix QM a platinum class luting system ideal for dental surgeries.

Advantages

- Bifix QM's ability to be cured either chemically or with light provides more flexibility and reliability
- Three shades to choose from: T (transparent), U (universal) and WO (white-opaque) to provide the most aesthetic restorations
- Try-in pastes provide reliable shade selection before cementation
- Futurabond DC, the self-etching and dual-curing bond, provides safety through its high adhesion values
- Suitable for ceramic, composite and metal luting
- Bifix QM contains fluoride
- High radiopacity
- Easy excess removal

Quality and superb handling properties are combined in the QuickMix syringe and offer the following advantages:

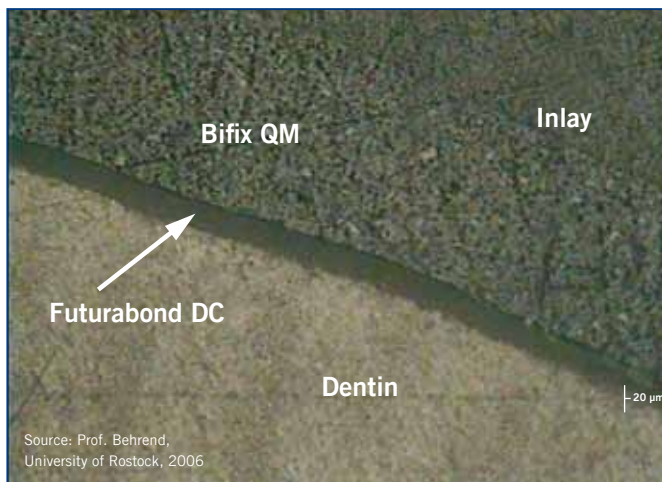
- Quick application
- Error-free, bubble-free mixing
- Easy direct application

Bifix® QM

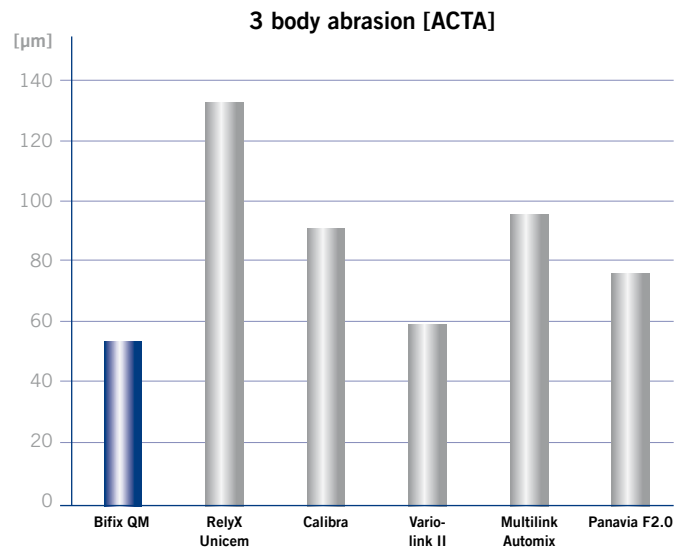
GET ON THE FAST TRACK ...

| BIFIX QM – TECHNICAL DATA | |
|---------------------------|---------------------------------------|
| Transverse strength: | 138 (LC)/113 (CC) MPa |
| Compressive strength: | 297 MPa |
| Adhesion to dentine: | 15 MPa* |
| Curing depth: | 4 mm/10 s |
| Working time: | 2,5–3,5 min |
| Setting time: | 3 min after inserting the restoration |
| Film thickness: | < 10 µm |

*with Futurabond DC



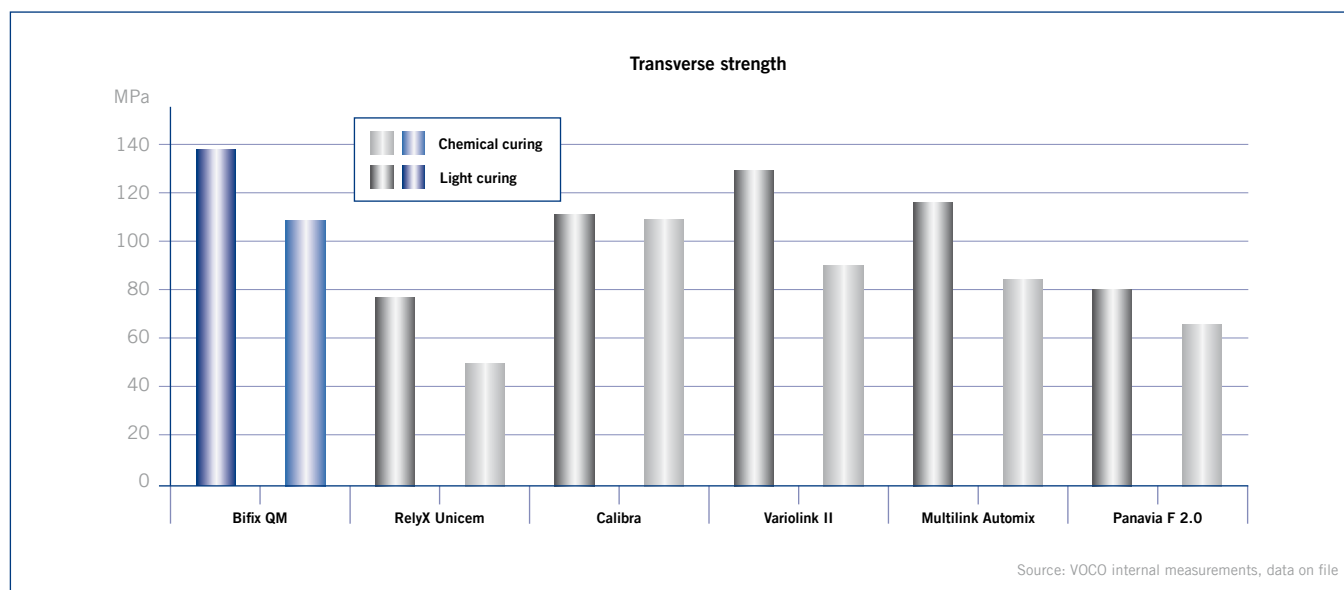
Source: Prof. Behrend,
University of Rostock, 2006



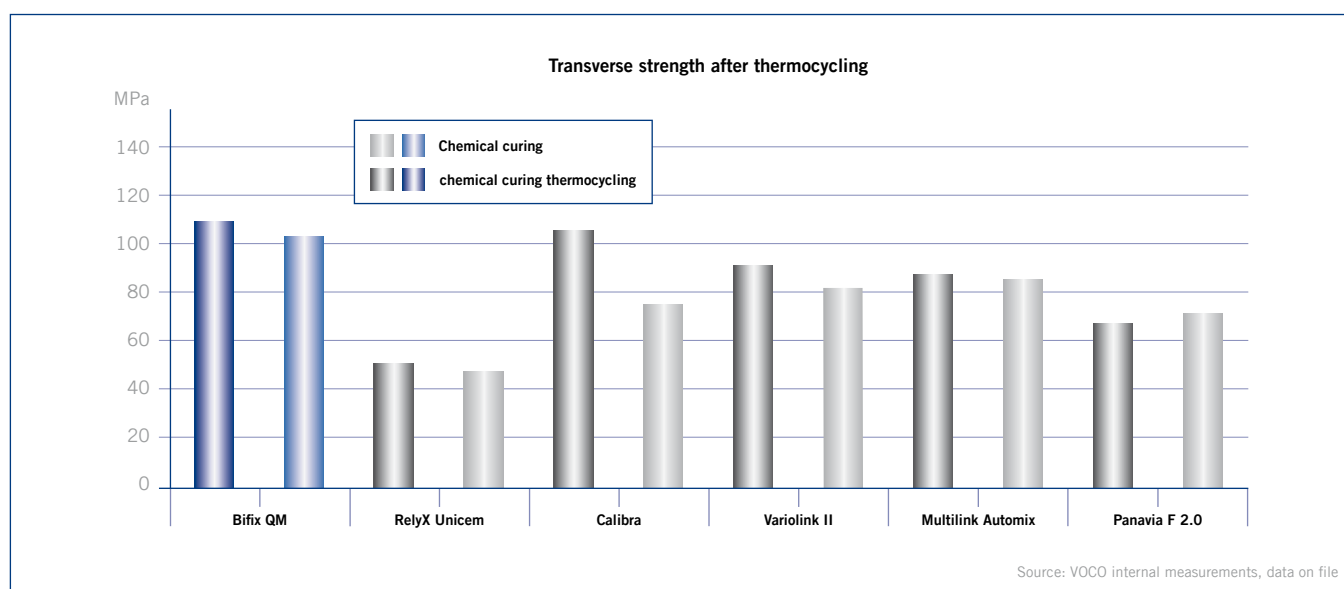
Source: VOCO internal measurements, data on file

Bifix QM used in combination with the self-etch bond Futurabond DC forms a secure adhesive bond with a tight marginal seal to both tooth substance and ceramic.

Bifix QM is an extremely hard and abrasion-resistant material. These attributes benefit both the mechanical longevity and durability of the polished material.



Out of all of the materials tested, Bifix QM exhibited the highest transverse strength after both light and chemical curing.



The Bifix QM System keeps its physical strength after thermocycling, a vital point for longevity.

Futurabond® DC

DUAL – UNIVERSAL – SAFE

Futurabond DC is a nano-particle reinforced dual-curing self-etching bond for direct and indirect restorations with all light-, dual- and self-curing composite materials.

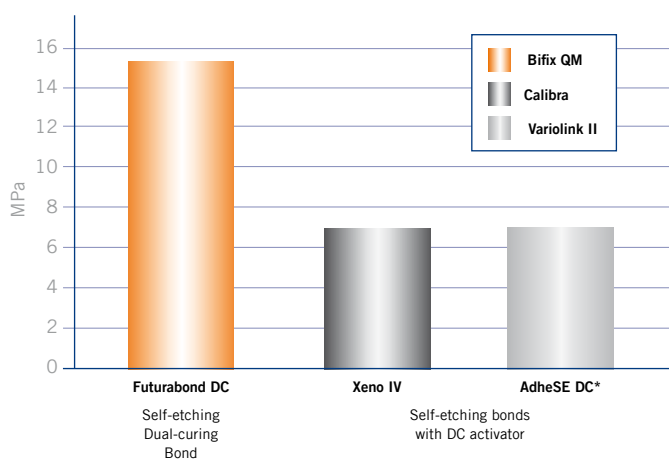
Your advantages

- High dentine shear bonding strength
- Durable marginal seal
- Moisture-tolerant
- Reduced post-operative sensitivities
- Reinforced with nano-particles
- All-in-one adhesive
- One layer application
- No refrigeration needed
- No shaking needed
- Contains fluoride

Futurabond DC and Bifix QM used together achieve higher adhesive values than other self-etching bonds with DC activator.

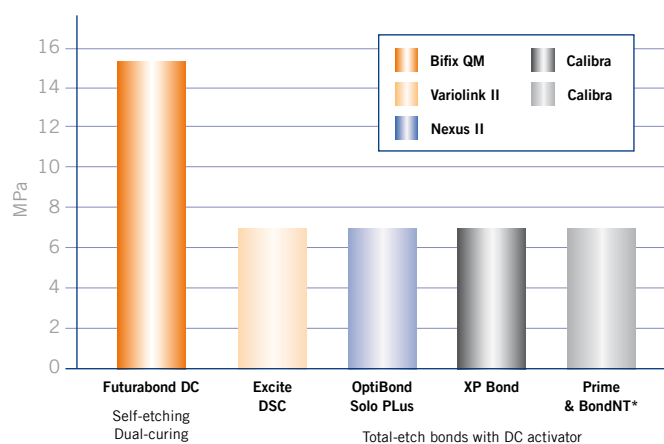
Futurabond DC and Bifix QM used together achieve adhesive values equivalent to or higher than total-etch systems.

Adhesion to dentine values of self-etching luting systems after being chemically cured



Source: VOCO internal measurement Nov. 06*

Dentine adhesive values of total-etch luting systems after being chemically cured



Source: VOCO internal measurement Nov. 06*

*Excite DSC, OptiBond Solo PLus, XP Bond and Prime&Bond NT, Xeno IV, Calibra, Variolink II, Nexus II and AdheSE DC are not registered trademarks of VOCO GmbH, data on file.

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Presentation

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| REF 1760 | Bifix QM Triset Set 3 x 10 g QuickMix syringes universal, transparent, white-opaque, mixing tips type 11, intraoral tips type 4 3 x 1.2 g Try-in universal, transparent, white-opaque, application cannulae type 41, 5 ml Ceramic Bond, accessories |
| REF 1764 | Bifix QM Expert Set Contains the same components in the Bifix QM Triset plus Futurabond DC 50 <i>SingleDose</i> |
| REF 1217 | Set 10 g QuickMix syringe universal, 4 ml each Futurabond DC Liquid 1 and 2, 5 ml Ceramic Bond, mixing tips type 11, intraoral tips type 4, accessories |
| REF 1218 | QuickMix syringe 10 g universal, mixing tips type 11, intraoral tips type 4, accessories |
| REF 1219 | QuickMix syringe 10 g transparent, mixing tips type 11, intraoral tips type 4, accessories |
| REF 1759 | QuickMix syringe 10 g white-opaque, mixing tips type 11, intraoral tips type 4, accessories |
| REF 1106 | Ceramic Bond, bottle 5 ml |

Bifix QM Try-In

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|----------|-----------------------------------|
| REF 1761 | 1,2 g syringe, shade universal |
| REF 1762 | 1,2 g syringe, shade transparent |
| REF 1763 | 1,2 g syringe, shade white-opaque |
| REF 2191 | 50 Mixing tips type 11 |
| REF 2142 | 50 intraoral tips type 4 |

Futurabond DC

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|----------|--|
| REF 1163 | 4 ml Liquid 1 / 4 ml Liquid 2, accessories |
| REF 1164 | 50 <i>SingleDose</i> , accessories |
| REF 1165 | 200 <i>SingleDose</i> , accessories |

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