

Replacing conventional luting cements.

SUPERIOR COMPRESSIVE STRENGTH

- Reliability at 249 MPa*
- Dependable, long-term restoration adhesion

OUTSTANDING RADIO-OPACITY

- Assured identification of marginal gap quality and clinical diagnosis
- Reliable monitoring, even of post-endodontic restorations

GOOD SHADE STABILITY

- Shade fastness verified to comply with ISO 4049:2009
- Long-lasting esthetic ceramic restorations

THE FUTURE IS THIS EASY.



Prepared core.



Pretreatment of the crown by sandblasting.



Dried crown.



Crown cemented.



Simple removal of excess with a scaler.



Finished restoration.

One for all. PermaCem 2.0.

Glass fiber reinforced root posts

Until now: Time-consuming luting with bonding step

Silicate ceramics

Until now: Luting using adhesive cements with bonding step

Oxide ceramics

Until now: Luting mainly with conventional cements

GOOD REASONS

- > One for all
- > Time-saving and easy-to-use without etching and bonding
- > Universal use
- > Secure fit to tooth and restoration
- > Effective on all standard restoration materials
- > Outstandingly strong adhesive to zirconia, silicate and oxide ceramics
- > Minimal water absorption
- > Optimum consistency
- > Extraordinary flow under pressure
- > Easy removal of excess material
- > Outstanding radiopacity
- > Good shade stability



PRODUCT OVERVIEW

PermaCem 2.0

Package: 1 Smartmix-syringe @ 9 g, 15 Smartmix-Tips Short, 5 Smartmix-Tips Endo M
Shade A2 Universal REF 213366 Shade A3 Opaque REF 213367 Shade Transparent REF 213368

Economy Pack: 3 Smartmix-syringes @ 9 g, 45 Smartmix-Tips Short, 15 Smartmix-Tips Endo M
Shade A2 Universal REF 213380 Shade A3 Opaque REF 213381 Shade Transparent REF 213382

Accessories: 20 Smartmix-Tips Endo M REF 213373
50 Smartmix-Tips Short REF 212040

000773/H5_2018-02

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PERMACEM 2.0

ZIRCONIA

PermaCem 2.0 and Zirconia: Inseparable



* internal measurements DMG, Hamburg 2011.



NO COMPROMISE CERAMIC LUTING.

Today's all-ceramic restorations provide the esthetic appeal and safety that patients increasingly expect. However, reliable and clean cementation has been based on compromises between adhesion and esthetics for quite some time.

The recently developed adhesive monomer formula provides superior natural adhesive strength of PermaCem 2.0 with zirconia. Outstanding adhesion on zircon ceramics will give you a sense of security and confidence. The special Flow 2.0 formula also provides for easy handling and incredibly simple excess removal.

PermaCem 2.0 and Zirconia: inseparable.

Secure and simple on all materials.

Whether it's inlays and onlays, crowns and bridges, indirect composite restorations or root post cementations, PermaCem 2.0 provides long-lasting, reliable luting with effective results.

ADHESIVE MONOMER FORMULA FOR...

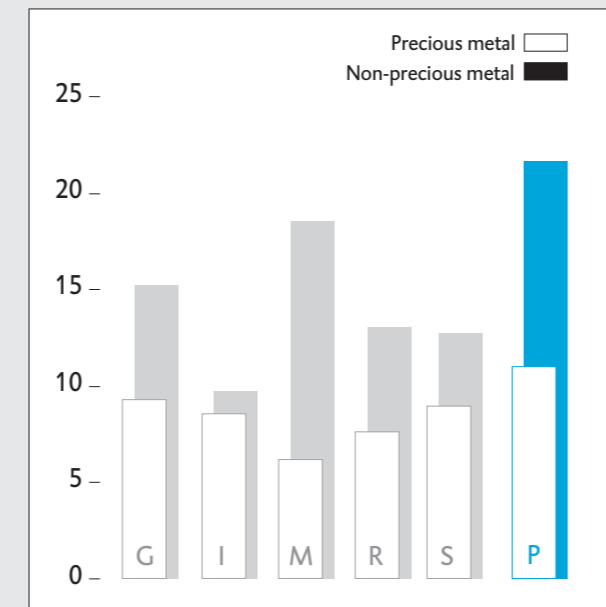
- Outstanding adhesive strength with zirconia, silicate ceramics and oxide ceramics
- Strong adhesion even on metal and metal alloys
- Reliable adhesion of glass fiber reinforced root posts and composite restorations
- Permanent bonding with enamel and dentine

WORKING TIMES PERMACEM 2.0

| | |
|---------------|--|
| ≈1:00 min | Processing time (including mixing time) |
| 0:30-1:00 min | Removal of excess (without light-curing) |
| 1-2 s | Pre-light curing time to make removal of excess more feasible (optional) |
| 7:00 min | Max. intraoral curing time (including mixing time) |
| min. 20 s | Light-curing time (optional) |

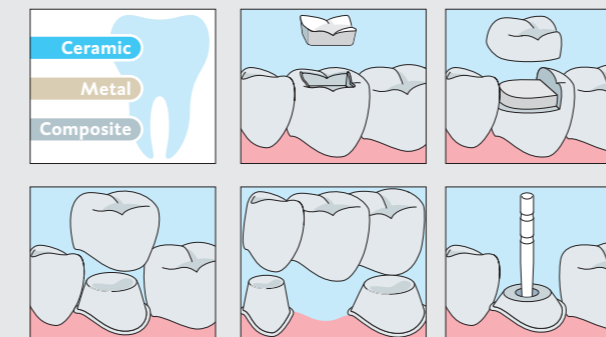
SUPERIOR ADHESIVE STRENGTH, NOT ONLY ON CERAMICS

SHEAR ADHESION ON PRECIOUS AND NON-PRECIOUS METAL (MPa)



Internal measurements, DMG, Hamburg 2011. G (G-CEM Automix) I (iCEM) M (Maxcem Elite) R (RelyX Unicem 2 Automix) S (SmartCem 2) P (PermaCem 2.0)

VARIOUS INDICATIONS: ONE CEMENT



Bonus points for your practice.

MINIMAL WATER SORPTION FOR ...

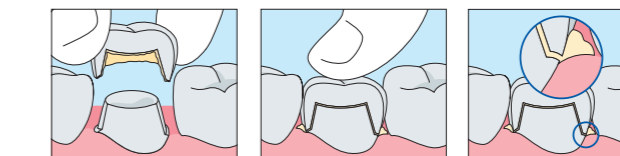
- Improved esthetics
- Greater reliability
- Good control of expansion forces

CONVENIENT TO WORK WITH

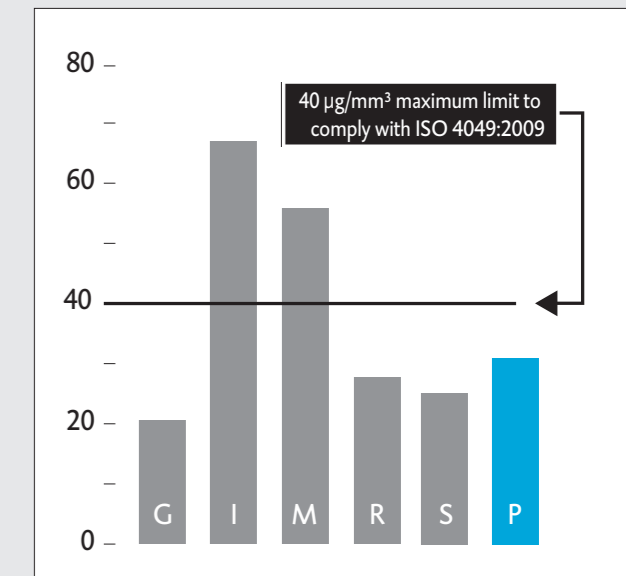
- Practical working times for a convenient course of treatment
- Reduction in operational steps
- Quick application with multiple-step operations/restorations
- Avoidance of cementation errors

SPECIAL FLOW 2.0 FORMULA FOR...

- An ideal combination of stability and flowability for a thin and continuous cement coating
- Time-saving application
- Exceptional flowability under pressure
- Very easy excess removal

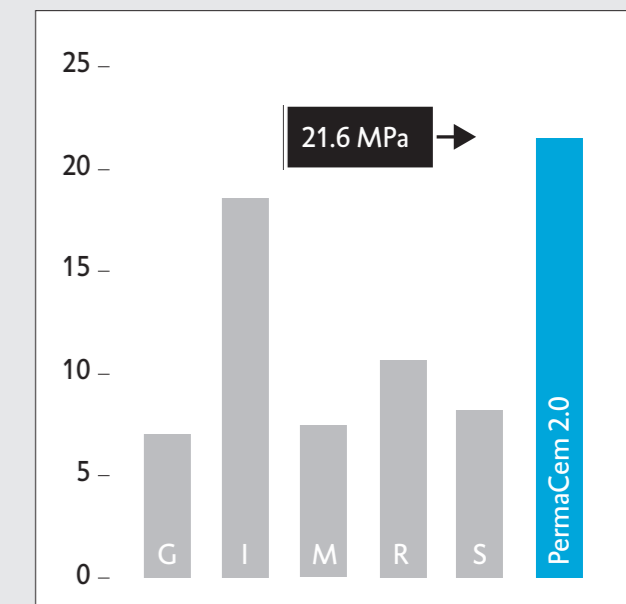


WATER SORPTION (µg/mm³)



Internal measurements, DMG, Hamburg 2011. G (G-CEM Automix) I (iCEM) M (Maxcem Elite) R (RelyX Unicem 2 Automix) S (SmartCem 2) P (PermaCem 2.0)

SHEAR ADHESION ON ZIRCONIA (MPa)



Internal measurements, DMG, Hamburg 2011. G (G-CEM Automix) I (iCEM) M (Maxcem Elite) R (RelyX Unicem 2 Automix) S (SmartCem 2)