

SELF-ADHESIVE DUAL-CURING RESIN CEMENT



**SoloCem<sup>®</sup>**

One step reliable cementation

 **COLTENE**



**SoloCem<sup>®</sup>** Secure cementing does not depend on the number of working steps. Self-adhesive SoloCem achieves reliable values – with no additional bonding. This is the result of monomers contained and the composite-like formulation. The convenient automix syringe and the ready-to-use mixing tips offer a simple and time-saving application of SoloCem.

- easy to use and time saving
- high bonding strengths without additional adhesive
- low shrinkage
- antibacterial zinc oxide
- high radiopacity



## Easy and fast application

SoloCem saves you time without having to forego reliable bonding. MDP and 4-MET(A) monomers ensure good bonding values on a range of different materials without requiring a separate adhesive. This simplified form of application reduces the risk of potential error sources which could affect the bond and thus the quality of the entire restoration.

- self-adhesive properties
- fluorescent
- Automix syringe and ready-to-use mixing tips
- Intraoral processing time of approx. 60 seconds
- easy removal of excess material (after light curing for 3 seconds)

## Indications

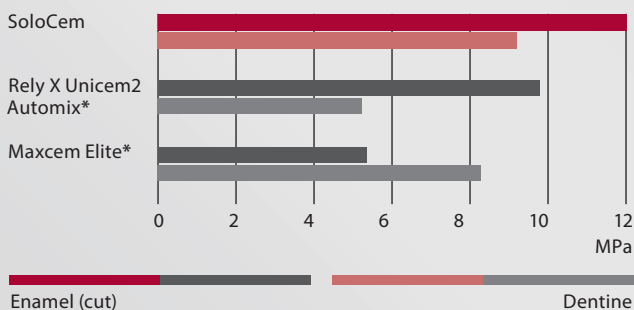
The easy handling of SoloCem offers advantages in a number of indications. You can count on the self-adhesive properties of SoloCem for the permanent cementation of:

- crowns (ceramic, metal, composite)
- bridges (ceramic, metal, composite)
- inlays (ceramic, metal, composite)
- onlays (ceramic, metal, composite)
- all types of endodontic posts
- implant abutments (zirconium oxide and titanium)

## Reliable values

SoloCem offers excellent adhesion and reliable, long-lasting bonding to dentine, enamel and other materials.

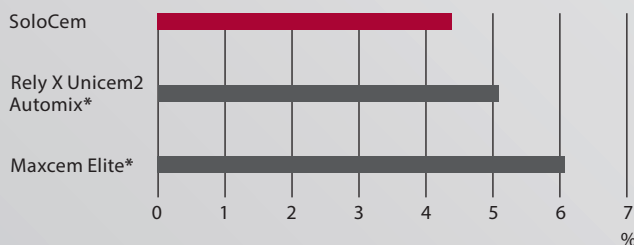
### Shear bond strength according to the Ultradent\*-method (dual cured)



Source: internal data

Next to good adhesion values, low shrinkage also determines the quality of a bond, which in turn has a positive effect of the durability of restorations.

## Shrinkage



Source: internal data

## Technical data

- Flexural strength  
**115 MPa**
- Compressive strength  
**190 MPa**
- Radiopacity  
**4 mm Al / mm**

## Composition

- Methacrylates
- Zinc oxide
- Dental glass

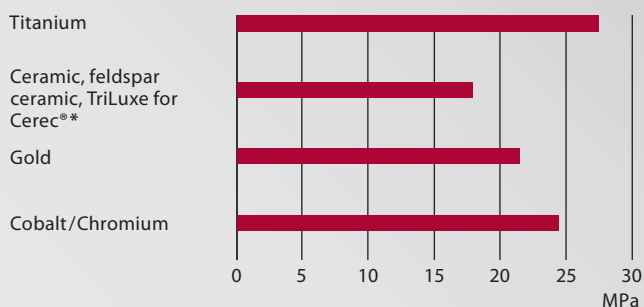
## Storage



Source: internal data

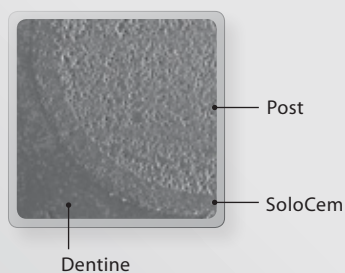
This is decisive for a good bond between cement and the various materials and ensures a long-lasting restoration.

### Shear bond strength according to the Ultradent\*-method (chemically cured)



Source: internal data

The shown REM image demonstrates the excellent bonding between endodontic posts, SoloCem and dentine.



Source: internal data

### Clinical times

working time

23°C  ≤ 120 s

37°C  ≤ 60 s

Curing time (not including working time)

37°C  > 180 s

\* Not a registered trademark of Coltène/Whaledent



## Order information

### 6001 3986

1 x 5ml SoloCem Dentin  
1 x 5ml SoloCem Translucent  
10 x Mixing Tip Brown Short Super Fine  
10 x Mixing Tip Brown Short Fine

### 6001 4062

1 x 5ml SoloCem Dentin  
5 x Mixing Tip Brown Short Super Fine  
5 x Mixing Tip Brown Short Fine

### 6001 4061

1 x 5ml SoloCem White Opaque  
5 x Mixing Tip Brown Short Super Fine  
5 x Mixing Tip Brown Short Fine

### 6001 9840

1 x 5ml SoloCem Translucent  
5 x Mixing Tip Brown Short Super Fine  
5 x Mixing Tip Brown Short Fine

### 6747

40 x **Mixing Tip Short Super Fine**

Mixing Tip, Ø 1 mm

### 6759

40 x **Mixing Tip Short Fine**

Mixing Tip, Ø 1.8 mm



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