

DUAL CURING RESIN CEMENT



DuoCem™

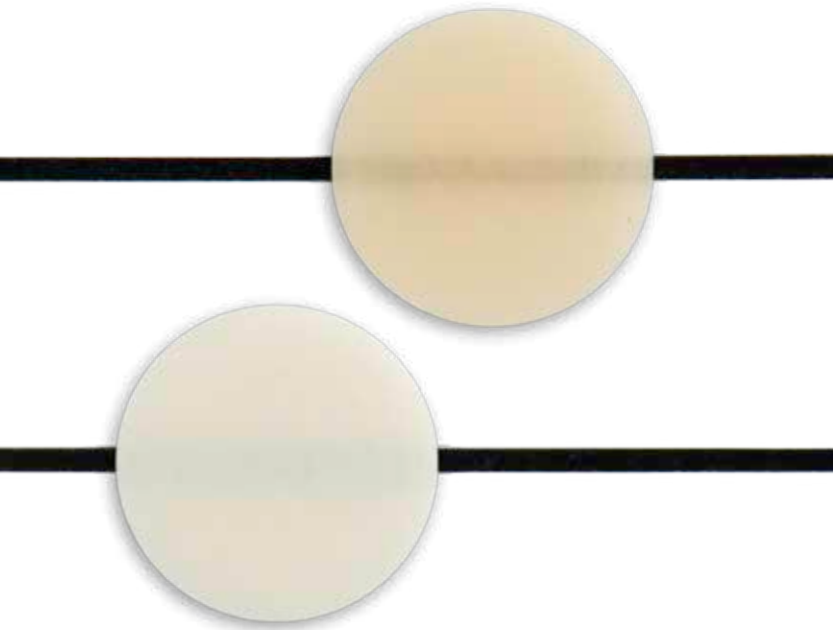
Strong and long lasting cementation

/// COLTENE®



DuoCem™ Coltène cements have been proving their worth for many years, convincing dentists the world over. DuoCem thus builds on the strengths of these recognised brands, combining them with the benefits of an automix syringe. This combination results in an all-purpose resin cement that offers excellent technical characteristics and can be applied with ease. Thus making DuoCem the ideal cement for routine bonding tasks in the dental practice.

- strong adhesion and properties similar to composites
- all-purpose material for a variety of indications
- convenient flow properties and ideal processing times
- easy removal of excess material
- adapted for use with ParaBond – several years of clinical experience



Excellent results thanks to proven applications

Excellent technical characteristics are provided by DuoCem in combination with the well-known adhesive ParaBond. During use, you are free to choose whether to use phosphoric acid (total-etch technique) for etching or the Non-Rinse conditioner (self-etch technique) supplied before applying the two-component adhesive. Subsequent application of DuoCem also couldn't be easier thanks to:

- optimised flow properties
- 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

DuoCem can be used for a wide variety of indications and supports you in your work with strong adhesion and easy handling. You can count on DuoCem for the permanent cementation of:

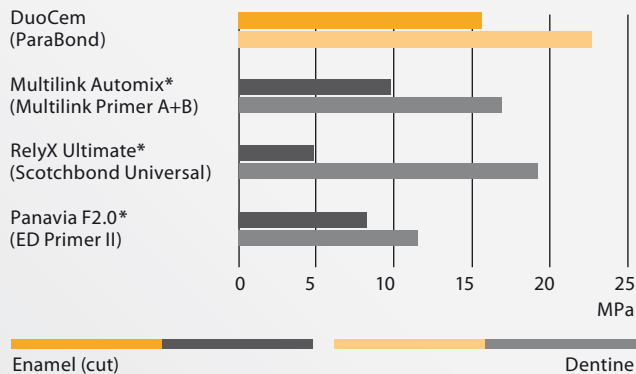
- Crowns (ceramic, metal, composite)
- Bridges (ceramic, metal, composite)
- Inlays (ceramic, metal, composite)
- Onlays (ceramic, metal, composite)
- Root posts of all types
- Adhesive bridges

This bond will last

The main function of any cement is to bond different materials securely together.

Be it dual-cured, with light ...

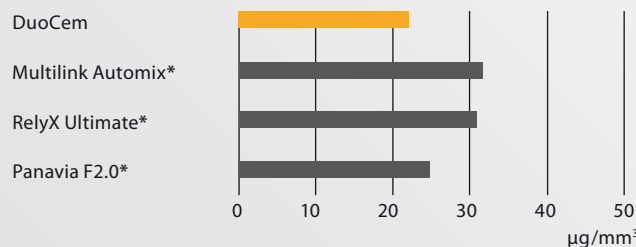
Shear bond strength as defined by Watanabe (dual cured)



Source: internal data

The longevity of a restoration is determined by a variety of factors. Low water sorption ensures stability ...

Water sorption



Source: internal data/ISO 4049

Technical data

- DuoCem complies with **ISO 4049**
- Film thickness **15.7 µm**
- Shrinkage according to Watts **3.4 %**
- Water solubility **1.0 µg/mm³**
- Radio opacity **2 mm Al/mm**

Composition

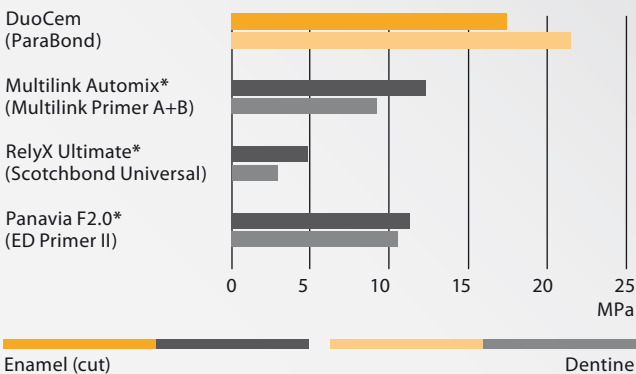
- Methacrylates
- Dental glass
- Zinc oxide
- Amorphous silica

Storage



... or cured only chemically, in areas not exposed to light – DuoCem supports excellent adhesion on both dentine and enamel.

Shear bond strength as defined by Watanabe (chemically cured)



Source: internal data

... and efficient mechanical characteristics guarantee high material durability in the mouth.

Flexural strength (dual cured)



Source: internal data/ISO 4049

Clinical times

Processing time

23°C ≤ 120 seconds

37°C ≤ 60 seconds

Curing time (not including processing time)

37°C ≥ 150 seconds

* Not a registered trademark of Coltène/Whaledent



Order information

6001 4381

DuoCem Intro Kit
1 × 5ml DuoCem Dentin
1 × 5ml DuoCem White Opaque
10 × Mixing Tips brown short fine
10 × Mixing Tips brown short super fine
3 × 3ml ParaBond Non-Rinse Conditioner
+ Adhesive A & B

6001 4391

DuoCem Trial Kit Dentin
1 × 5ml DuoCem Dentin
5 × Mixing Tips brown short fine
5 × Mixing Tips brown short super fine
3 × 3ml ParaBond Non-Rinse Conditioner
+ Adhesive A & B

6001 4382

DuoCem Refill Dentin
1 × 5ml DuoCem Dentin
5 × Mixing Tips brown short fine
5 × Mixing Tips brown short super fine

6001 4383

DuoCem Refill White Opaque
1 × 5ml DuoCem White Opaque
5 × Mixing Tips brown short fine
5 × Mixing Tips brown short super fine

7486

1 × 3ml
1 × 3ml
1 × 3ml

7493

1 × 3ml
1 × 3ml

7494

1 × 3ml

6747

40 ×

6759

40 ×

ParaBond Adhesive

ParaBond Non-Rinse Conditioner
ParaBond Adhesive A
ParaBond Adhesive B

ParaBond Adhesive A & B Refill

ParaBond Adhesive A
ParaBond Adhesive B

ParaBond Adhesive

Non-Rinse Conditioner Refill

ParaBond Non-Rinse Conditioner

Mixing / Root Canal Tips

Mixing Tip Brown short super fine

Mixing Tips

Mixing Tip Brown short fine



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