

## Point for point a direct hit

### Varied applicability:

The medium-viscosity, dual curing bulk composite has been developed for those indications that demand fast, aesthetic and tooth-coloured restoration.

Fill-Up!™ is suitable for bulk fill technique in the posterior region and can be applied in a single layer of any depth. Surface light curing for only 5 s can finish the restoration with no top layer needed.

### Fill-Up!™ is indicated for:

- Class I and II cavities
- Cavity lining
- Core build-ups

# Hole in One

Only one step away from a perfect result



### A shade for every case:

Thanks to its chameleon effect, the universal shade between the levels VITA™ A2-A3 adapts perfectly to every situation and saves time on shade management.

In perfect interaction with ParaBond or ONE COAT 7 UNIVERSAL - the bonding agent for an optimised marginal seal - it presents as a rounded system for all everyday restorative situations in the dental practice.

## Order information



### Fill-Up!™

Dual curing bulk composite

**60019342 Fill-Up! Intro Kit**  
2 x 4.5 g Fill-Up! Universal  
1 x 2.5 ml Etchant Gel S  
2 x 3 ml ParaBond Adhesive A & B  
6 x Mixing Tip Short Super Fine  
8 x Mixing Tip Short Fine

**60019973 Fill-Up! Intro Kit with ONE COAT 7 UNIVERSAL**  
2 x 4.5 g Fill-Up! Universal  
1 x 5 ml One Coat 7 Universal  
1 x 3 ml One Coat 7.0 Activator  
6 x Mixing Tip Short Super Fine  
8 x Mixing Tip Short Fine

**60019355 Fill-Up! Economy Kit**  
5 x 4.5 g Fill-Up! Universal  
15 x Mixing Tip Short Super Fine  
20 x Mixing Tip Short Fine

**60019341 Fill-Up! Refill**  
1 x 4.5 g Fill-Up! Universal  
3 x Mixing Tip Short Super Fine  
4 x Mixing Tip Short Fine

**6747 Mixing Tip Short Super Fine**  
40 x Mixing Tip, ø 1 mm

**6759 Mixing Tip Short Fine**  
40 x Mixing Tip, ø 1.8 mm



### ONE COAT 7 UNIVERSAL

One Component Light Cured Universal Adhesive

**60019539 ONE COAT 7 UNIVERSAL Refill**  
1 x 5 ml One Coat 7 Universal



### One Coat 7.0 Activator

Activator to provide the use with chemically and dual cured materials

**7054 One Coat 7.0 Activator**  
1 x 3 ml One Coat 7.0 Activator



### Etchant Gel S

Ultimate etchant gel

**7373 Etchant Gel S Kit**  
2 x 2.5 ml Syringes  
20 x Application Needles

**7876 Application Needles**  
20 x black



### ParaBond

Chemically curing adhesive system

**7493 ParaBond Adhesive A & B Refill**  
1 x 3 ml ParaBond Adhesive A  
1 x 3 ml ParaBond Adhesive B



\* not a trademark of COLTENE

<sup>1</sup> Internal measurement

<sup>2</sup> Krejci et. al. 2014, Marginal adaptation of bulk filled dual cured composites, publication prepared for ADM meeting

<sup>3</sup> Krejci et. al. 2014, Marginal adaptation of class II cavities restored with bulk-fill composites, Journal of Dentistry

<sup>4</sup> Besek et. al., zahnfarbene adhäsive Füllungen, PPK Zürich 2004

<sup>5</sup> Dr. Flury, University of Bern, data on file

© 2015 Coltène/Whaledent AG - www.coltene.com

**Coltène/Whaledent AG**  
Feldwiesenstr. 20  
9450 Altstätten / Switzerland  
T +41 71 757 53 00  
F +41 71 757 53 01  
info.ch@coltene.com

**Coltène/Whaledent Inc.**  
235 Ascot Parkway  
Cuyahoga Falls, Ohio 44223 / USA  
T +1 330 916 8800  
F +1 330 916 7077  
info.us@coltene.com

**Coltène/Whaledent Ltd.**  
The President Suite  
Kendal House, Victoria Way  
Burgess Hill, West Sussex  
RH15 9NF / UK  
Tel +44 1444 235486  
Fax +44 1444 870640  
info.uk@coltene.com

**COLTENE**

60019545 05:16

DUAL CURING BULK COMPOSITE

# Fill-Up!™

## Deep. Fast. Perfect.

**COLTENE**  
www.coltene.com

## Deep

- Unlimited layer thickness of the filling, since Fill-Up! is dual curing
- Guaranteed full curing, even with very deep cavities

## Fast

- Immediate fabrication of the filling is possible, as Fill-Up! is cured with light for just 5 s
- No top layer necessary thanks to outstanding mechanical properties
- A universal shade (VITA™ A2–A3) with excellent self-blend properties
- Fast and simple to apply using an automix syringe

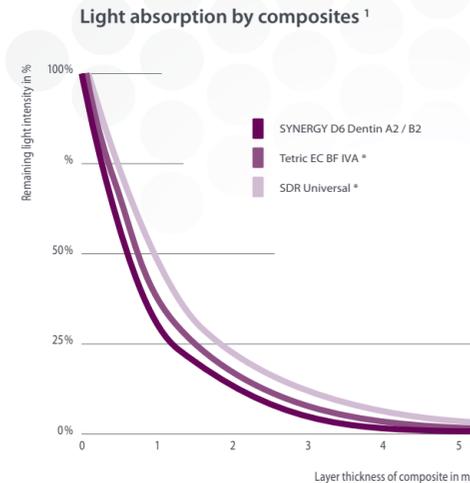
## Perfect

- Minimal shrinkage stress
- Optimal marginal sealing with the matched bonding agents of ParaBond or ONE COAT 7 UNIVERSAL
- Easy to polish to a high lustre
- Attractive aesthetics under all lighting conditions thanks to fluorescence
- Contains antibacterial zinc oxide

## Guaranteed deep uniform curing

No matter what layer thickness is applied, thanks to the light and chemically curing property of Fill-Up!™, reliable curing is guaranteed.

Conventional light curing bulk fill materials can be applied in layers of max. 4-5 mm. Light intensity measurements demonstrate that already above a layer thickness of just 1 mm, light penetration drops drastically. Reliable deep polymerisation is therefore not always guaranteed, which can lead to postoperative sensitivities.



## For fast results you can always be proud of



Apply in a single step



Light cure for 5 s or wait for the chemical setting



Adapt and polish the filling

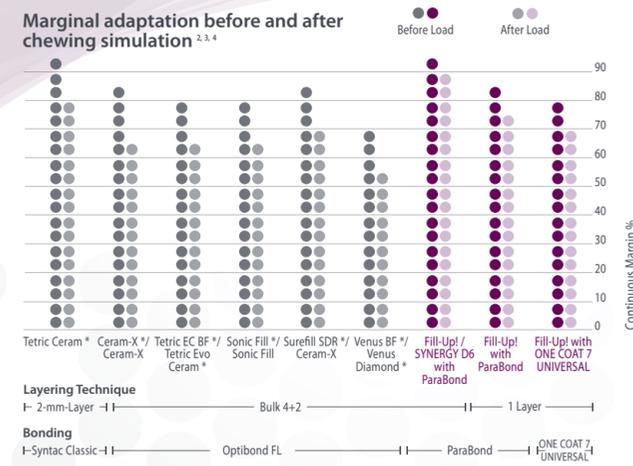


Final result

## Working perfectly together

The adhesive systems of ParaBond or ONE COAT 7 UNIVERSAL are the perfect partner for Fill-Up!. ParaBond or ONE COAT 7 UNIVERSAL accelerate polymerisation at the cavity margins, which optimizes the marginal sealing of the restoration. This specifically prevents the formation of marginal gaps and secondary caries.

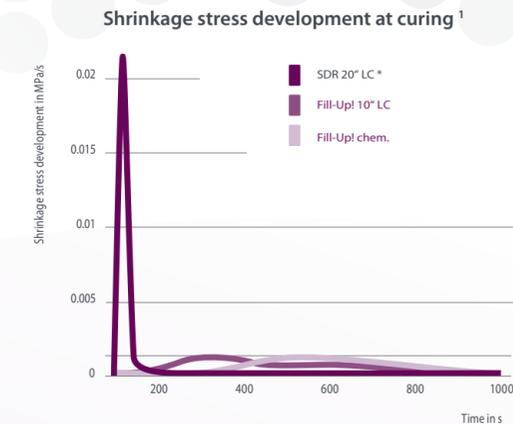
Study results from the University of Geneva attest Fill-Up!™ excellent marginal sealing values before and after chewing simulation (thermo-mechanical cycling).



## Gentle and safe into depth

Large cavities that are filled with just one layer are subject to high shrinkage forces on curing with light. However, the chemical curing proceeds much more gently (see graphic).

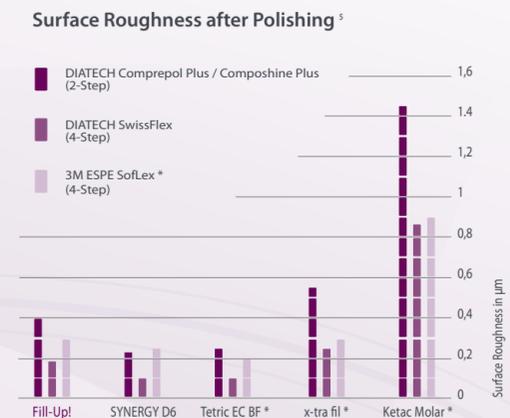
And if speed is of the essence, Fill-Up!™ can be briefly cured with light. The restoration can then be finalised immediately, whereas deeper regions are chemically post-cured.



## High gloss included

Fill-Up!™ is effortlessly polished to a shine. Studies confirm the superb polishing results together with the 2-step DIATECH Comprepol Plus / Composhine Plus polishing system and the 4-step DIATECH SwissFlex system.

Fill-Up!™ displayed a very low surface roughness after polishing that is comparable with light-curing composites.



## Perfect details 1

Flexural modulus.....	7.260 MPa	Compressive strength.....	289 MPa
Flexural strength.....	109 MPa	Ø filler particle size.....	2 µm
Water sorption.....	19 µg/mm <sup>3</sup>	Filler content by weight.....	65 %
Water solubility.....	0.7 µg/mm <sup>3</sup>	Filler content by volume.....	49 %
Radiopacity.....	2 mm Al	Density.....	1.8 g/cm <sup>3</sup>
Vickers hardness.....	51 HV	Working time.....	1 min
Volumetric shrinkage (acc. to Watts) ..	3.3 %	Setting time (not incl. working time) .....	2 min

- Composition:**
- Dental glass
  - Amorphous silicic acid
  - Methacrylates
  - Zinc oxide

