

Tetric® N-Ceram Bulk Fill

The efficient posterior composite

Save
55%
on time*

and achieve amazing results



Tetric® N-Ceram Bulk Fill
sculptable



Tetric® N-Flow Bulk Fill
flowable

**NOW AS A
FLOW!**

* Compared with Tetric® N-Flow and Tetric® N-Ceram
Data available on request.

ivoclar
vivadent
passion vision innovation

Save
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Efficiency

Less is more – quick and easy

Bulk-fill materials such as Tetric® N-Ceram Bulk Fill and Tetric® N-Flow Bulk Fill are gaining in popularity throughout the world. They can be applied in bulk layers of up to 4 mm, which reduces the number of increments required to place a restoration. For example, when Tetric N-Ceram Bulk Fill is used to fill a 4-mm deep cavity, only one layer is needed instead of three.

Application studies have shown that the bulk filling technique saves 55% on time* compared with the conventional layering technique.

Many practitioners like to use a flowable composite for the first restoration layer. Tetric N-Flow Bulk Fill has been specially developed for use as an initial volume replacement in posterior teeth. Due to its self-levelling properties, Tetric N-Flow Bulk Fill optimally adapts to the cavity walls. The cavities fill up very quickly as a result of the composite's excellent viscosity.

* Compared with Tetric® N-Flow and Tetric® N-Ceram
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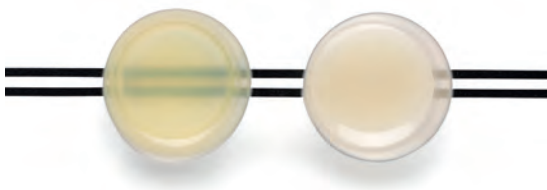
Left: The stable consistency of Tetric® N-Flow
Right: Tetric® N-Flow Bulk Fill is characterized by excellent surface affinity and self-levelling properties.

Esthetics

Stunning esthetics – due to innovative technology

Enamel-like
translucency
~15%
Tetric N-Ceram Bulk Fill

Tetric N-Ceram Bulk Fill and Tetric N-Flow Bulk Fill both contain a new type of light initiator called Ivocerin. This highly photoreactive initiator causes the composites to be slightly higher in opacity compared with other bulk-fill materials. As a result, Tetric N-Ceram Bulk Fill has an enamel-like translucency of around 15%, which allows the material to blend in seamlessly with the surrounding dental tissue on unstained dentin.



Tetric® N-Flow Bulk Fill before and after polymerization

In contrast, the flowable Tetric N-Flow Bulk Fill exhibits a dentin-like translucency. The new Aessencio technology is responsible for lowering the translucency of the material from around 28% to approximately 10% during polymerization. Discoloured dentin can be effectively concealed, creating a more esthetic basis for the restoration compared with conventional flowable bulk-fill materials.

For the occlusal layer, the practitioner has the choice of using either Tetric N-Ceram Bulk Fill or Tetric N-Ceram, depending on the requirements. Both materials feature an exceptional "chameleon effect".

In terms of esthetics, the results produced with Tetric N-Flow Bulk Fill in combination with the corresponding composite come very close to those of conventionally layered composites.

The composites and their uses:

Tetric® N-Ceram Bulk Fill



Pictures: Dr Eduardo Mahn, 2013

Tetric® N-Flow Bulk Fill in combination with Tetric® N-Ceram Bulk Fill



Pictures: R&D, Dr T. Repetto-Bauchhage, Ivoclar Vivadent AG, Schaan, 2015

Dentin-like
translucency
≤10%
Tetric N-Flow Bulk Fill



Reliability

Ivocerin® – More reliability in everyday practice

In routine clinical procedures it is often difficult to hold the polymerization device over the restoration properly. Consequently, the composite may not cure completely. Due to the fact that they contain the highly reactive initiator Ivocerin®, Tetric N-Flow Bulk Fill and Tetric N-Ceram Bulk Fill demonstrate a high photoreactivity, which is essential for achieving a reliable cure.



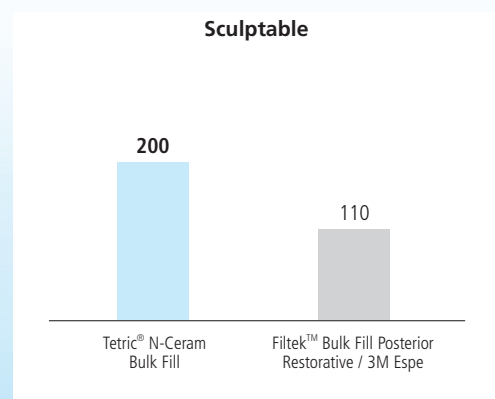
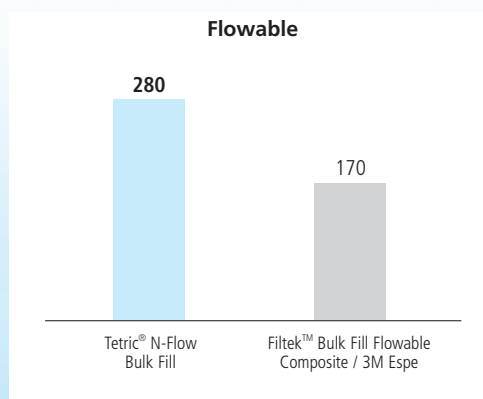
Left: Ivocerin-containing monomer showing high photoreactivity
Right: Camphorquinone-containing monomer showing low photoreactivity

Long working time

Tetric N-Flow Bulk Fill and Tetric N-Ceram Bulk Fill can be manipulated for a comfortable length of time, despite the high reactivity of Ivocerin. The integrated light sensitivity filter is responsible for this feature. It protects against ambient light.

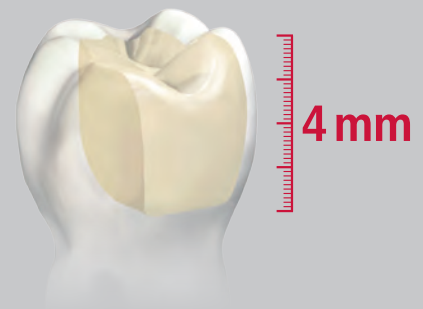
Extra long
working time
>3 min*

Comparison of the working time [s]



* Measurement according to ISO 4049 (8,000 lux), R&D Ivoclar Vivadent AG, December 2014.

Fewer working steps in the **bulk fill technique***



* Compared with Tetric® N-Flow and Tetric® N-Ceram
Data available on request

Delivery forms



Tetric N-Flow Bulk Fill



Tetric N-Ceram Bulk Fill

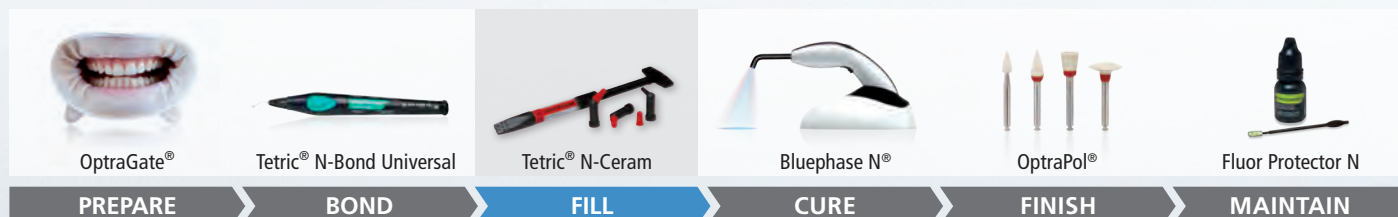
| Refills | Syringes | Cavifils | Syringes | | Cavifils |
|---|-----------|-------------|-----------|-----------|-------------|
| Dentin-like shades | 1 x 2 g* | 10 x 0.25 g | 1 x 3.5 g | 2 x 3.5 g | 10 x 0.25 g |
| IV A (universal A shade) | 681364AN* | 681375AN | – | – | – |
| IV B (universal B shade) | 681373AN* | 681376AN | – | – | – |
| IV W (white shade for deciduous teeth or light-coloured permanent teeth) | 681374AN* | 681377AN | – | – | – |
| Enamel-like shades | | | | | |
| IV A (universal A shade) | – | – | 644171AN | 664701AN | 644174AN |
| IV B (universal B shade) | – | – | 644172AN | | 644175AN |
| IV W (white shade for deciduous teeth or light-coloured permanent teeth) | – | – | 644173AN | – | 644176AN |
| Assortment | | | | | |
| Please contact your Ivoclar Vivadent representative. | | | | | |
| Accessories | | | | | |
| Shade guide | 644153 | – | – | – | – |
| Cannula 20 x 1.2 mm | 681363 | – | – | – | – |

*Containing 5 x 1.2-mm cannulas each



Direct Restoratives

Tetric® N-Ceram Bulk Fill and Tetric® N-Flow Bulk Fill form a part of the "Direct Restoratives" product category. The products of this category cover the procedure involved in the direct restoration of teeth – from preparation to restoration care. The products are optimally coordinated with each other and enable successful processing and application.



THESE ARE FURTHER PRODUCTS OF THIS CATEGORY:

Bluephase N®

The curing light



LED for all curing needs

- All light-curing materials – due to Polywave®-LED
- All indications – due to continuous operation
- All the time – due to Click & Cure

Tetric® N-Bond Universal

The tolerant universal adhesive



Universal for direct and indirect bonding procedures

- Universal application – for all bonding procedures and etching techniques
- Predictable results – high bond strength on wet or over-dried dentin
- Universal delivery – available in bottles and the convenient VivaPen®

Would you like to know more about the products of the "Direct Restoratives" category? Simply get in touch with your contact person at Ivoclar Vivadent or visit www.ivoclarvivadent.com for more information.