Natural-looking esthetics – efficiently produced

Tetric Evo Composites

Tetric EvoCeram®

Tetric EvoFlow®

Tetric EvoCeram® Bulk Fill

Tetric EvoFlow® Bulk Fill
Since its introduction 10 years ago, the universal composite Tetric EvoCeram® continues to be one of the leading composite restoratives on the market. It has proven its durability in clinical practice.

Tetric EvoCeram was the first product of the Tetric Evo range. Today, this composite family comprises four innovative products, which are representative of the progress that composite technology has undergone in recent years.

The Tetric Evo product line offers dental professionals everything they need – sculptable and flowable consistencies, lifelike esthetics, efficiency, longevity, low shrinkage, colour stability and high wear resistance.

More than 150 million restorations placed worldwide
Tetric EvoCeram is highly valued in dental practices throughout the world.

Patients can expect composite restorations that remain intact and maintain their esthetic appearance over many years.¹ Long-term studies show the exceptional dependability of this material.²

Many noted experts have contributed to the ever-growing database of in-vitro and clinical results from studies on the Tetric Evo family of products.²

This wealth of scientific data attests to the clinical long-term success and the popularity of the Tetric Evo product range.

95.1% survival rate*  
4.9% failures

Prof. Dr Jürgen Manhart  
Department of Restorative Dentistry  
Munich, Germany

“I have used Tetric EvoCeram® for a decade. My patients’ fillings look great, even years after placement.”

¹ Ivoclar Vivadent AG, 10 Years Casebook, 2014  
² Ivoclar Vivadent AG, Scientific Report 10 Years Tetric Evolution, Vol. 01, 2014

* In seven clinical studies conducted throughout the world, 890 restorations were examined over an observation period of 5-10 years. The overall survival rate of Tetric EvoCeram was 95.1 percent.
Time-tested yet innovative
A look at the composites

Confidence. Reliability. Esthetics.

**Recommended indications**
- Class I, II, III, IV, V;
- fillings in deciduous teeth

**Tetric EvoCeram** is a universal composite that imparts anterior and posterior teeth with exceptional esthetics.

Since its introduction ten years ago, Tetric EvoCeram has ranked among the leading composite restoratives on the market. Its longevity has been confirmed in clinical practice.

Available in 4 Dentin, 14 Enamel and 4 Bleach shades

**Tetric EvoCeram Bulk Fill** is a highly efficient, sculptable 4-mm bulk-fill composite for posterior teeth. It marks a decisive step in the development of the Tetric Evo product range.

Available in 3 enamel-like universal shades: "A", "B" and "W"

The flowable complement.

**Recommended indications**
- As a liner in Class I to V cavities;
- Class III, IV; all types of small restorations

**Tetric EvoFlow** is the top-selling flowable composite in Europe. The flowable version of the proven Tetric EvoCeram is characterized by its very good radiopacity and ideal consistency. The product is flowable when desired and stable as required.

Available in 8 Enamel, 3 Bleach and 3 Dentin shades


**Recommended indications**
- Class I, II, V; fillings in deciduous teeth;
- core build-ups

**Tetric EvoCeram Bulk Fill** is a highly efficient sculptable 4-mm bulk-fill composite for posterior teeth. It marks a decisive step in the development of the Tetric Evo product range.

Tetric EvoCeram Bulk Fill is a further developed version of Tetric EvoCeram which has been proven a million times over. In situations where it is difficult to estimate the increment thickness, the formulation containing the highly reactive initiator Ivocerin ensures very reliable curing results.

Available in 3 enamel-like universal shades: "A", "B" and "W"

The flowable complement.

**Recommended indications**
- As a liner in Class I and II cavities;
- fillings in deciduous teeth

**Tetric EvoFlow Bulk Fill** is a highly efficient, flowable 4-mm bulk-fill composite. It demonstrates an unrivalled low translucency for a bulk-fill material. Therefore, it successfully conceals discoloured dentin.

Tetric EvoFlow Bulk Fill is particularly suitable for deep cavities due to its highly flowable and self-levelling properties. A universal composite such as Tetric EvoCeram or a bulk-fill composite such as Tetric EvoCeram Bulk Fill is applied as a covering layer. Both options produce highly esthetic results in posterior teeth.

Available in 3 dentin-like universal shades: "A", "B" and "W"
The restoration after two years of service

Dr Arnd Peschke, Clinical Practice Ivoclar Vivadent AG, Liechtenstein

Defective amalgam filling


Tooth 36: Tetric EvoFlow® Bulk Fill covered with Tetric EvoCeram® Bulk Fill.

Dr Rafael Piñeiro Sande, Cambados–Pontevedra, Spain

The Aessencio technology is responsible for changing the translucency of the material during polymerization. This improves the smooth integration of the restoration in the surrounding tooth structure.

Before polymerization

2014: The restoration still shows excellent dimensional stability and esthetic qualities.

Prof. Dr Jürgen Manhart, Munich, Germany

2005: Final picture

2004: Defective composite restoration in tooth 12

Small restorations

Dr Eduardo Mahn, Santiago, Chile

As a liner

Class V

Defective amalgam filling

After the placement of the restoration

The restoration after two years of service

Dr Arnd Peschke, Clinical Practice Ivoclar Vivadent AG, Liechtenstein

Tooth 31: Tetric EvoFlow® Bulk Fill covered with IPS Empress® Direct.

Tooth 36: Tetric EvoFlow® Bulk Fill covered with Tetric EvoCeram® Bulk Fill.

Dr Rafael Piñeiro Sande, Cambados–Pontevedra, Spain

Before polymerization

The Aessencio technology is responsible for changing the translucency of the material during polymerization. This improves the smooth integration of the restoration in the surrounding tooth structure.
The bulk-fill composites from Ivoclar Vivadent represent a further developed version of the proven Tetric EvoCeram. The aim of the development was to simplify and accelerate direct restorative treatment procedures and ensure their predictability, while at the same time maintaining the customary quality and esthetics of the restorations.

**Natural-looking esthetics, efficiently produced**

In the development of bulk-fill composites Ivoclar Vivadent has taken a decisive step towards enhancing the esthetics of dental restorations. Due to the Aessencio technology and the patented light initiator called Ivocerin the product combines efficiency and esthetics in a very special way.

The product has a high technique tolerance. It can be applied in layers of up to 4 mm, which can be polymerized in only 10 seconds ($\geq 1,000 \text{ mW/cm}^2$). The occurrence of potential flaws, such as the entrapment of air, is prevented. This not only simplifies layering, but also enhances the polymerization result.

**Heightened reliability**

In cases where it is difficult to estimate the increment thickness or it is hard to position the light guide optimally, the two new composites ensure proper polymerization. The highly reactive Ivocerin initiator contained in the formulation is responsible for this feature.

Tetric EvoFlow Bulk Fill as well as Tetric EvoCeram Bulk Fill enhance the efficiency of restorative procedures in posterior teeth. The results are just as aesthetic as those achieved with conventional composites.

**Time saved compared with the conventional technique**

![Image](image-url)

*Compared with Tetric EvoFlow and Tetric EvoCeram. Data available on request.*
With the bulk-fill composite Tetric EvoCeram Bulk Fill I can effectively restore even large posterior cavities while obtaining maximum quality. At the moment, it can be assumed that Tetric EvoCeram Bulk Fill will show a low annual loss rate similar to that of other proven micro- and nanohybrid composites (e.g. Tetric EvoCeram).

Ivoclar Vivadent is a world leader in the development of dental initiators. Research is going on at all major composite manufacturers. Due to the development of the highly reactive Ivocerin and the new Aessencio technology, however, Ivoclar Vivadent is one step ahead in the field of initiators.

Due to the highly reactive light initiator Ivocerin and the Aessencio technology, Tetric EvoFlow Bulk Fill is a unique product that stands out among all the other flowable materials on the market. Initially, the material is translucent.

During the curing process, the translucency diminishes and dentin discolouration is reliably masked. This is simply ingenious.
Many dentists rely on the products of Ivoclar Vivadent, and with good reason. Clinicians around the world are attracted to the innovative technology and clinical reliability of the composites of the Tetric Evo product line.

High depth of cure

With the help of the highly reactive light initiator known as Ivocerin®, a previously insurmountable technological hurdle has been overcome. Therefore, it is now possible to achieve high depth of cure and maximum esthetics after only a short light exposure time.3

Esthetic optimization

The Aessencio® technology represents a significant milestone in the esthetic optimization of bulk-fill composites. During the polymerization process, the translucency level of Tetric EvoFlow Bulk Fill changes. This allows stained dentin to be effectively concealed.4

The in vitro test demonstrates the effect of the Aessencio technology. The black lines under the Tetric EvoFlow Bulk Fill sample are clearly visible before polymerization. Due to the change in the translucency level, they are no longer visible after polymerization.

Translucency [%]

The measurements were taken with a Minolta CM-5 spectrophotometer.

* These brands are not registered trademarks of Ivoclar Vivadent AG.
Low shrinkage stress

The patented **shrinkage stress reliever** minimizes the shrinkage and shrinkage stress of the Tetric Evo products. The shrinkage forces of the bulk-fill composites from Ivoclar Vivadent are comparable to those of conventional 2-mm composites. Their volume shrinkage is also comparable.

![Shrinkage stress reliever](image)

Extended working time

The patented **light sensitivity filter** extends the working time of Tetric Evo products under operatory lights compared with that of other composites, and therefore it reduces the pressure on the dental practitioner.
Dental professionals like to depend on the composites of the Tetric Evo product range due to their innovative yet time-tested technology. The successful results they have achieved with these products over the years confirm their choice.

**Diagnosis**

**Ytterbium fluoride** is responsible for the exceptionally good radiopacity of the products. It significantly facilitates the diagnosis of any secondary caries under Tetric Evo materials.

Preoperative X-ray

Postoperative X-ray: Excellent radiopacity of Tetric EvoFlow® Bulk Fill and Tetric EvoCeram® Bulk Fill

Dr Eduardo Mahn, Santiago, Chile

Measurement according to ISO 4049: R&D Ivoclar Vivadent AG, Schaan, December 2014

* These products are not registered trademarks of Ivoclar Vivadent AG.

**Handling characteristics**

The Viscosity Controller regulates the flowability of the composites to facilitate the application and handling of Tetric EvoCeram, Tetric EvoCeram Bulk Fill and Tetric EvoFlow.
<table>
<thead>
<tr>
<th>Assortment</th>
<th>Tetric EvoCeram® Universal composite</th>
<th>Tetric Evo Flow® Flowable composite</th>
<th>Tetric EvoCeram® Bulk Fill Sculptable bulk-fill composite</th>
<th>Tetric EvoFlow® Bulk Fill Flowable bulk-fill composite</th>
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<tbody>
<tr>
<td>590290WW, 8 x 3-g syringes</td>
<td>1 x A1, A2, A3, A3.5, A4, B3, C3, D3 1 x Tetric EvoCeram shade guide</td>
<td>1 x A1, A2, A3, A3.5, A4, B3, A3.5 Dentin, T 1 x Tetric EvoFlow shade guide</td>
<td>40 x 0.9-mm tips</td>
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<td>590291WW, 40 x 0.2-g Cavifls</td>
<td>5 x A1, A2, A3, A3.5, A4, B3, C3, D3 1 x Tetric EvoCeram shade guide</td>
<td>5 x A1, A2, A3, A3.5, A4, B3, A3.5 Dentin, T 1 x Tetric EvoFlow shade guide</td>
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| Highly translucent        | 7 % 1  | 12 % 1  | 23 % 1  |
| Enamel shade T            | 15 % 1 | 15 % 1  |        |

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<th>23 % 1</th>
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<td>Bleach I</td>
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<th>Assortment</th>
<th>637898AN IPS Empress® Direct Color/Opaque Assortment</th>
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<th>Accessories</th>
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<th>20 x 0.9-mm tip black</th>
<th>(Tetric EvoFlow and IPS Empress Direct Opaque)</th>
<th>20 x 1.2-mm tip black</th>
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Sample values, Technical Data Sheet Ivoclar Vivadent
The Tetric Evo products 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.

**Adhese® Universal**
The universal adhesive

- Universal adhesion with advanced delivery
  - Efficient delivery – approx. 190 single-tooth applications per 2 ml VivaPen®
  - Universal application – for all bonding and etching techniques
  - Predictable results – high bond strength on dentin and enamel

**Bluephase® Style**
The polymerization light

- The smallest LED for every use
  - Every hand – comfortable to hold for men and women
  - Every material – universal due to the Polywave® LED with broadband spectrum
  - Every time – optional corded operation due to Click & Cure

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