

# Tetric EvoCeram<sup>®</sup> & Tetric EvoFlow<sup>®</sup>

The universal composite & the flowable composite

**Flowable** when desired.  
**Stable** as required.



Proven performance,  
exceptional esthetics.

# Innovative and time-tested



Tetric EvoCeram features tried-and-tested, cutting-edge technology which allows impressive esthetic results to be achieved. With more than 100 million restorations placed, the universal composite has a proven track record of clinical success. The flowable composite Tetric EvoFlow is the ideal complement to Tetric EvoCeram in the restoration of anterior and posterior teeth, because Tetric EvoFlow is flowable when desired and stable as required. It is the top-selling flowable composite in Europe.

Whether you are in need of a sculptable or a flowable composite, the Tetric line of products offers you a suitable option for any indication.



## SCULPTABLE

Incremental technique	Bulk-filling technique
<b>Tetric EvoCeram®</b> The universal composite  The time-tested composite in 4 Dentin, 14 Enamel and 4 Bleach shades	<b>Tetric EvoCeram® Bulk Fill</b> The bulk-fill composite  The efficient and esthetic 4-mm bulk-fill composite for posterior teeth, in 3 shades

## FLOWABLE

Incremental technique
<b>Tetric EvoFlow®</b> The flowable composite  The time-tested flowable composite, available in 3 Dentin, 8 Enamel and 3 Bleach shades

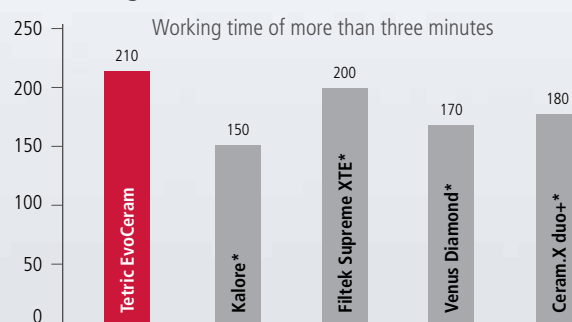
# The universal composite

## Long working time

Thanks to the patented light sensitivity filter, Tetric EvoCeram offers you sufficient time to sculpt and contour cusps, pits, fissures and marginal ridges.

Premature polymerization of the composite caused by the exposure to operatory and ambient light is thus a thing of the past. The light sensitivity filter acts like a protective shield, while it does not delay the polymerization process initiated with a curing light. Even though Tetric EvoCeram offers extended working time, it still enables short curing times of just ten seconds. ( $\geq 1,000 \text{ mW/cm}^2$ )

## Working time [s]



\* Not registered trademarks of Ivoclar Vivadent AG.  
Measurement acc. to ISO 4049 (8000 Lux), R&D Ivoclar Vivadent AG, Schaan,  
Report October 2013

## Natural shade blend

The optical properties of a composite are governed by the interplay of the monomer matrix and filler particles. The refractive index of the fillers and monomer used in Tetric EvoCeram are matched creating a true chameleon effect. Due to their lifelike shade and opacity, Tetric EvoCeram restorations blend seamlessly with the natural tooth structure.

The Enamel, Dentin and T shades feature three different, lifelike degrees of translucency which ensure harmonious integration of Tetric EvoCeram restorations into the remaining dentition.

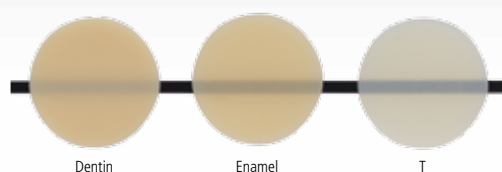


The light refraction index of the monomer corresponds to that of the filler, the glass rod in this case.



The light refraction indices of the monomer and the glass rod are different.

## Translucency levels of the Tetric EvoCeram shades

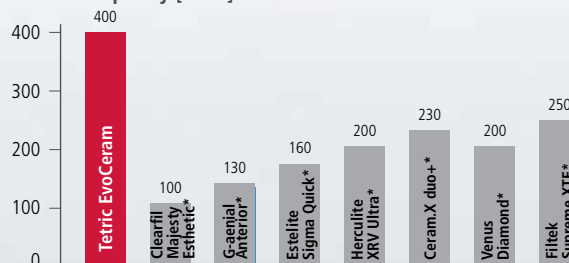


# Excellent physical properties

## Excellent radiopacity

The excellent radiopacity of a composite resin enables dentists to easily distinguish it from the dental hard tissue and the changes affecting the natural tooth structure (e.g. secondary decay). The higher the value, the easier it is to make a clear distinction between the composite and natural tooth structure on the x-ray. Among the products tested, Tetric EvoCeram is clearly the leading product in this respect.

## Radiopacity [AI %]



\* Not registered trademarks of Ivoclar Vivadent AG.

Measurement acc. to ISO 4049, R&D Ivoclar Vivadent AG, Schaan, Report October 2013

## Low volumetric shrinkage

Low polymerization shrinkage means less stress on the adhesive bond and less deformation of the dental hard tissue, which results in improved marginal integrity. This is exactly what Tetric EvoCeram offers you.

## Polymerization shrinkage [vol %]



\* Not registered trademarks of Ivoclar Vivadent AG.

R&D Ivoclar Vivadent AG, Schaan, Report October 2013 (Dilatometer, 1h)



# Universal use in the anterior and posterior region

Tetric EvoCeram is the universal nano-hybrid composite for anterior and posterior restorations that affords outstanding esthetics. The filler technology employed in Tetric EvoCeram is based on an optimum blend of different fillers and filler sizes.

## Benefits at a glance

- Universal nano-hybrid composite for anterior and posterior restorations
- Proven clinical performance with over 100 million restorations placed worldwide
- More working time due to the patented light sensitivity filter
- Natural shade blend with surrounding dentition ensures outstanding restorative results

Before



After



Class IV



Class V



Class I



Class II including the reconstruction of cusps

17 Tetric EvoCeram Bulk Fill IVA  
16 Tetric EvoFlow Dentin A3.5, Tetric EvoCeram A2, IPS Empress Direct Color  
15 Tetric EvoFlow Dentin A3.5, Tetric EvoCeram Bulk Fill IVA, IPS Empress Direct Color

# Proven clinical performance – clearly the most convincing argument

The long-term clinical success of Tetric EvoCeram has been proven by numerous *in vivo* studies worldwide. In recall examinations, the restorations show a survival rate of 100%. This has been confirmed by the results of various 5-year studies. Thus the annual failure rate of Tetric EvoCeram is clearly below that of other composite resins\*.

\*Manhart J. Charakterisierung direkter zahnärztlicher Füllungsmaterialien für den Seitenzahnbereich -Alternativen zum Amalgam? Die Quintessenz 2006;57:465-481.



**"** No restorations were lost during the study period. The data gained in this study show that Tetric EvoCeram exhibits excellent clinical performance even after having been in place for several years. **"**

*Prof. Dr Paul Lambrechts, University of Leuven, Belgium*

**"** After 5 years, none of the restorations examined had been lost. Tetric EvoCeram is a good clinical choice for anterior restorations. **"**

*Dr Carlos Munoz, Buffalo, Dr James Dunn, Loma Linda University, California, USA*

**"** The study results show that the marginal quality of the restorations does not depend on the light intensity. None of the restorations placed in this study had to be redone. From a clinical perspective, this speaks in favour of Tetric EvoCeram. **"**

*Prof. Dr Antonio Cerutti, University of Brescia, Italy*

**"** The results of the five-year evaluation of 615 restorations demonstrated that the composite had superior performance in all areas (97% clinical rating). **"**

*Source: The Dental Advisor, Vol. 29, No. 8, October 2012*

**"** Overall, the posterior teeth of 50 patients were restored with Tetric EvoCeram. At the 5-year recall, 34 patients were examined. The results confirm the high level of success achievable with Tetric EvoCeram: all the restoration are still in place. **"**

*Dr Arnd Peschke, Ivoclar Vivadent, Schaan, Liechtenstein*



Before



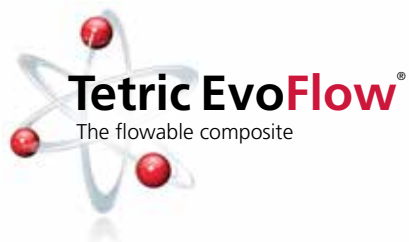
Immediately after completion of the Tetric EvoCeram restoration



After 8 years

*Dr Arnd Peschke, Ivoclar Vivadent AG, Schaan, Liechtenstein*





# Both flowable and stable



Flowable composites are products without which modern restorative dentistry would be unthinkable. They come in handy whenever surface affinity is desired. The flowable nano-hybrid composite Tetric EvoFlow is ideal for use in combination with regular-viscosity composites such as Tetric EvoCeram and Tetric EvoCeram Bulk Fill.

## Both flowable and stable

Tetric EvoFlow is characterized by optimum surface affinity and simultaneous stability. It flows where it is needed and is stable when required. The Viscosity Controller is responsible for this behaviour, as it regulates the product's flowability upon dispensing. No voids remain under the restoration, even when restoring teeth in hard-to-reach areas.

## Benefits at a glance

- Flowable when desired, stable as required
- Ideal consistency for all composite indications
- The top-selling flowable composite in Europe



Starting situation: Tetric EvoFlow (left), SDR Flow\* (middle) and Palfique Estelite LV\* (right) have been applied to a vertically positioned glass slab. Source: Ivoclar Vivadent AG, Schaan, 2012



Result after 5 minutes



Pictures: Dr Eduardo Mahn, Santiago, Chile

## Ideal consistency to suit all indications



Dr Eduardo Mahn, Santiago, Chile

“

When dealing with challenging cases, I can rely on Tetric EvoFlow's good flow properties and appropriate, stable consistency. The composite is convenient to apply and thus allows me to achieve high-quality esthetic results.

”



Liner in combination with regular-viscosity composites such as Tetric EvoCeram/Tetric EvoCeram Bulk Fill in Class I to V restorations



Extended fissure sealing

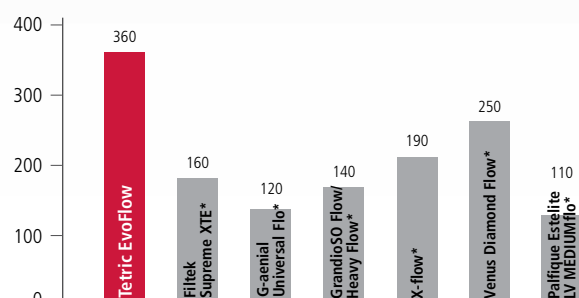


Small restorations of all kind (Class III and V).

### Excellent radiopacity

The good radiopacity of a restorative material is the prerequisite for an accurate diagnosis of secondary caries. Tetric EvoFlow exhibits a radiopacity of 360% Al and thus makes it easier for clinicians to properly distinguish between dental hard tissue and restorative material.

### Radiopacity [Al %]



\* Not registered trademarks of Ivoclar Vivadent AG.

Measurement acc. to ISO 4049, R&D Ivoclar Vivadent AG, Schaan, Report October 2013



# Tetric delivery forms at a glance

## Assortment

### Tetric EvoCeram The universal composite

**590290WW, 8 x 3 g syringes**  
1 x A1, A2, A3, A3.5, A4, B3, C3, D3  
1 x Tetric EvoCeram shade guide



**590291WW, 40 x 0.2 g Cavifils**  
5 x A1, A2, A3, A3.5, A4, B3, C3, D3  
1 x Tetric EvoCeram shade guide



### Tetric EvoCeram Bulk Fill The bulk-fill composite

### Tetric EvoFlow The flowable composite

**595951WW, 8 x 2 g syringes**  
1 x A1, A2, A3, A3.5, A4, B3, A3.5 Dentin, T  
1 x Tetric EvoFlow shade guide  
40 x 0.9-mm tips



**595950WW, 40 x 0.2 g Cavifils**  
5 x A1, A2, A3, A3.5, A4, B3, A3.5 Dentin, T  
1 x Tetric EvoFlow shade guide



## Shade guide

590292WW

639035

595952WW

## Refills

### Dentin shades

	Syringe 1 x 3 g	Syringes 3 x 3 g	Cavifils 20 x 0.2 g
A2	637549WW	637736WW	637356WW
A3.5	590323WW	590304WW	590342WW
A4	590324WW	590305WW	590343WW
B2	590325WW	590306WW	590344WW

### Enamel shades

A1	590312WW	590293WW	590331WW
A2	590313WW	590294WW	590332WW
A3	590314WW	590295WW	590333WW
A3.5	590315WW	590296WW	590334WW
A4	590316WW	590297WW	590335WW
B1	637547WW	637734WW	637354WW
B2	590317WW	590298WW	590336WW
B3	590318WW	590299WW	590337WW
C1	590319WW	590300WW	590338WW
C2	590320WW	590301WW	590339WW
C3	590321WW	590302WW	590340WW
D2	637548WW	637735WW	637355WW
D3	590322WW	590303WW	590341WW

### Highly translucent Enamel shade T

T	590326WW	590307WW	590345WW
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### Bleach shades

Bleach XL	590327WW	590308WW	590346WW
Bleach L	590328WW	590309WW	590347WW
Bleach I	590329WW	590310WW	590348WW
Bleach M	590330WW	590311WW	590349WW

Syringe  
1 x 3 g

Syringes  
3 x 3 g

Cavifils  
20 x 0.2 g

IVA 638244WW 638241WW 638227WW

IVB 638245WW 638242WW 638228WW

IVW 638246WW 638243WW 638229WW

Syringe  
1 x 2 g\*

Cavifils  
20 x 0.2 g

641360WW\* 641349WW

595980WW\* 595994WW

641361WW\* 641350WW

595953WW\* 595987WW

595954WW\* 595988WW

595955WW\* 595989WW

595956WW\* 595990WW

595978WW\* 595992WW

641358WW\* 641348WW

595957WW\* 595991WW

595979WW\* 595993WW

595981WW\* 595995WW

595982WW\* 595996WW

595984WW\* 596008WW

## Characterization

### Assortment

### 637898AN IPS Empress Direct Color/Opaque Assortment

1 x 1 g white, honey, blue, purple, ochre, brown, grey  
1 x 1.8 g IPS Empress Direct Opaque  
40 x 0.4-mm tips  
5 x 0.9-mm tips

### Refills

### IPS Empress Direct

1 x 1.8 g

opaque  
637897AN

1 x 1 g

white  
637899AN

1 x 1 g

honey  
637900AN

1 x 1 g

blue  
637901AN

1 x 1 g

purple  
637902AN

1 x 1 g

ochre  
637903AN

1 x 1 g

brown  
637904AN

1 x 1 g

grey  
637905AN

1%



## Accessories

**20 x 0.4-mm tips black**  
(IPS Empress Direct Color)  
634847



**20 x 0.9-mm tips black**  
(Tetric EvoFlow and IPS Empress Direct Opaque)  
634849



\* 5 x 0.9 mm tips each



## Direct Restoratives

Tetric EvoCeram® and Tetric EvoFlow® 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® Style

The curing light



The smallest LED for every use

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

#### OptraGate®

Latex-free lip and cheek retractor



The gentle solution for a better view

- Considerably enlarged access to the treatment field
- Enhanced patient comfort due to three-dimensional flexibility
- Wide range of indications

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](http://www.ivoclarvivadent.com) for more information.