

One **solution** for all cavity classes

Tetric Evo **product line**



Tetric Evo**Ceram**[®]



Tetric Evo**Flow**[®]



Tetric Evo**Ceram**[®] Bulk Fill



Tetric Evo**Flow**[®] Bulk Fill

Posterior region: Class I & II

Class I & II

Our recommendation

If you want...

one-step efficiency...	Tetric EvoCeram Bulk Fill
efficiency and esthetics and full shade selection...	Tetric EvoFlow Bulk Fill ¹ and Tetric EvoCeram ²
efficiency and esthetics in very deep cavities (> 6 mm)...	Tetric EvoFlow Bulk Fill ¹ and Tetric EvoCeram Bulk Fill ¹
efficiency and coverage of discoloured dentin...	Tetric EvoFlow (Dentin ³) and Tetric EvoCeram Bulk Fill
conventional layering...	Tetric EvoCeram ²
more esthetic conventional layering...	Tetric EvoCeram ² (Dentin and Enamel shades)

¹ in the appropriate basic shade (^WA for A shades, C shades & D shades; ^BB for B shades; ^WW for Bleach shades);

² available in 22 shades and 3 translucencies; ³ as a liner

Single-layer technique



Tetric EvoCeram® Bulk Fill

Two-layer technique



Tetric EvoCeram®



Tetric EvoFlow® Bulk Fill

Anterior region: Class III & IV

Class III & IV

Our recommendation

If you want...

conventional layering...

Tetric EvoCeram¹
(Dentin and Enamel shades)

good material adaptation
to the bevel...

Tetric EvoFlow² (as a liner)
and Tetric EvoCeram (Enamel)

to close a diastema...

Tetric EvoFlow

¹ available in 22 shades (18 Enamel & 4 Dentin shades) and 3 translucencies; available in 14 shades and 3 translucencies



Build-up of the dentin core
with Tetric EvoCeram Dentin



Build-up of the enamel layer
with Tetric EvoCeram



Tetric EvoCeram[®]

Class V

Class V

Our recommendation

If you want...

to restore small defects...

Tetric EvoFlow²

to restore large defects...

Tetric EvoCeram¹ (Enamel shades)

to restore large defects
highly esthetically...

Tetric EvoCeram¹
(Dentin and Enamel shades)

¹ available in 22 shades (18 Enamel & 4 Dentin shades) and 3 translucencies; ² available in 14 shades and 3 translucencies



Restoration of a small
Class V defect with Tetric EvoFlow



Restoration of a large
Class V defects with Tetric EvoCeram

Deciduous Teeth

Deciduous Teeth (Class VI)

Our recommendation

If you want...

efficiency and natural esthetics...

Tetric EvoFlow¹ Bulk Fill

efficiency and sculptability*...

Tetric EvoCeram¹ Bulk Fill

conventional layering...

Tetric EvoCeram² (Enamel shades only)

* in cases of tooth agenesis (e.g. hypodontia) or dislocation

¹ in the appropriate basic shade (with very bright deciduous teeth: "W"); ² available in 18 Enamel shades



Tetric EvoFlow[®] Bulk Fill

Further indications

Further indications

Our recommendation

If you want...

to repair veneers¹...

Tetric EvoCeram or Tetric EvoFlow²

to block out undercuts...

Tetric EvoFlow

to splint mobile teeth...

Tetric EvoFlow

to do reconstructive build-ups...

Tetric EvoCeram Bulk Fill

to do build-ups for Invisalign®*...

Tetric EvoCeram³

¹ made of composite or ceramic; ² depending on the desired consistency, ³ e.g. in shade T

* This product is not a registered trademark of Ivoclar Vivadent AG.



Reconstructive build-ups
with Tetric EvoCeram Bulk Fill



Blocking out of undercuts
with Tetric EvoFlow

When to use Bulk Fill and when not?

In which cases should bulk-fill materials be used?

Bulk-fill materials can be applied in thick increments (up to 4 mm). They are less technique-sensitive and increase the efficiency of the treatment.

Recommended areas of application for bulk-fill materials:

- posterior region (Class I & II)
- pediatric dentistry

Why should you use bulk-fill materials?

Increased process reliability

The long-term treatment success greatly depends on the correct treatment procedure. This is especially true for technique-sensitive procedures such as those used in the direct filling therapy.

This is why a material with less technique sensitivity increases the likelihood of a successful treatment in the long-term.

Due to the following reasons, bulk-fill materials are less technique-sensitive than conventional composites:

1. Higher curing depths¹
2. Reduction of application-related air bubbles²
3. Reduced risk of postoperative sensitivity³

Higher efficiency

Up to 47% time savings when placing a filling⁴

¹ 4 mm instead of 2 mm; ² the fewer increments are applied in total, the smaller is the likelihood of air bubbles occurring between the applied layer; ³ postoperative sensitivities may be caused by restorations which are not fully cured. This risk is reduced as bulk-fill materials show a significantly higher curing depth than conventional composites.; ⁴ source: ICDE, Ivoclar Vivadent AG, 2014

Studies: Bulk-fill materials work

General performance

Bulk-fill composites show lower annual failure rates than the scientific benchmark:

AFR* Tetric EvoCeram Bulk Fill = 1.4%

Heintze, S. (2015). Esthetics and efficiency in the restoration of posterior teeth. Special Feature Ivoclar Vivadent AG

AFR* (scientific benchmark) = 2.2%

Manhart, J., Chen, H., Hamm, G., & Hickel, R. (2004). Buonocore Memorial Lecture. Review of the clinical survival of direct and indirect restorations in posterior teeth of the permanent dentition. Oper Dent, 29(5), 481-508

Bulk-fill materials have proved themselves in clinical use:

Heintze, S.D. et al. (2015). Marginal Quality of Class II Composite Restorations Placed in Bulk Compared to an Incremental Technique: Evaluation with SEM and Stereomicroscope. J Adhes Dent, 17 (2), 147-154

*AFR = "annual failure rate"

Bulk-fill composites show lower shrinkage stress during polymerization compared to conventional composites:

Manhart, J. & Ilie, N. (2014). State-of-the-art restorations for posterior teeth. Special Edition Ivoclar Vivadent AG

Flowable bulk-fill composites: The shrinkage stress has no negative impact on cusp movement:

Manhart, J. & Ilie, N. (2014). State-of-the-art restorations for posterior teeth. Special Edition Ivoclar Vivadent AG

Tetric EvoCeram® Bulk Fill showed the lowest shrinkage stress compared to all other tested composites:

Vogel, K. & Rheinberger, V. (2012). Shrinkage and contraction force of bulk filling and microhybrid composites. R&D, Ivoclar Vivadent AG, Schaan, Liechtenstein

The marginal quality of bulk-fill restorations is comparable to conventional composites (if applied correctly):

Manhart, J. & Ilie, N. (2014). State-of-the-art restorations for posterior teeth. Special Edition Ivoclar Vivadent AG

Studies: Bulk-fill materials work

Esthetics

Tetric EvoFlow® Bulk Fill and Tetric EvoCeram® Bulk Fill are comparable to conventional composites in terms of esthetics:

Manhart, J. (2015). Intelligent direct restorative technique for posterior restorations. Special Feature Ivoclar Vivadent AG, 4-9

Piniero, R. (2015). Bulk-fill materials: Efficient and esthetic restoration of posterior teeth. Special Feature Ivoclar Vivadent AG, 11-16

Mahn, E. (2015). Efficiency and esthetics in the posterior region. Special Feature Ivoclar Vivadent AG, 22-28

Even stained dentin can be covered easily with Tetric EvoFlow® Bulk Fill:

Silahtar, E. & Benseguini, A. (2015). Improving treatment success in challenging cases. Special Feature IV AG, 34-39

Von Sontagh, M. (2015). Modern composite therapy. Special Feature Ivoclar Vivadent AG, 17-21

Efficiency

Tetric EvoCeram® Bulk Fill: “I can now treat three patients in the same time I used to do two”; time-savings of up to 43% per patient:

Hajný, P. (2015). The meaning and impact of efficiency in modern dentistry. Special Feature Ivoclar Vivadent AG, 40-45

Compared to the conventional filling technique, bulk filling is more efficient, without having to make any compromises:

Mahn, E. (2015). Efficiency and esthetics in the posterior region. Special Feature Ivoclar Vivadent AG, 22-28

Compared to conventional restorative therapy, approx. 47% of the treatment time can be saved while the same restorative quality is achieved:

ICDE, Ivoclar Vivadent AG, Schaan, December 2014

Tetric EvoCeram[®] – 10 years of clinical experience

Tetric EvoCeram[®] shows very good clinical performance in 10 years of experience:

Peschke, A., Watzke, R., & Heintze, S. (2014). Clinical performance of posterior composite restorations over 10 years Internal Clinic, R&D, Ivoclar Vivadent AG, Schaan, Liechtenstein. Scientific Report Ivoclar Vivadent AG, Vol. 01/2014

Tetric EvoCeram[®] shows lower annual failure rates than the scientific benchmark*:

AFR* Tetric EvoCeram = 1.9%

van Dijken, J. W. V. (2014). The 10 year performance of Tetric EvoCeram in Class II cavities. A randomized controlled clinical study. Dental School Umea, Sweden. Scientific Report Ivoclar Vivadent AG, Vol. 01/2014

*AFR = "annual failure rate"; scientific benchmark: AFR = 2.2% (Manhart et al. 2004)

Clinical evaluation of Tetric EvoCeram® (5-year study) in the anterior region:

Lee, S., Li, Y., & Munoz, C. (2009). Clinical Evaluation of Tetric EvoCeram for anterior restorations. Loma Linda University, California, USA

In contrast to other composites, Tetric EvoCeram® scored excellently in all the tested categories (5-year study):

Cetin, A. R., Unlu, N., & Cobanoglu, N. (2013). A five year clinical evaluation of direct nanofilled and indirect composite resin restorations in posterior teeth. *Operative Dentistry*, 38(2), E31-E41



Direct Restoratives

The Tetric Evo product line forms 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.



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

Ivoclar Vivadent AG
Bendererstr. 2
9494 Schaan
Liechtenstein
Tel. +423 235 35 35
Fax +423 235 33 60
www.ivoclarvivadent.com

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