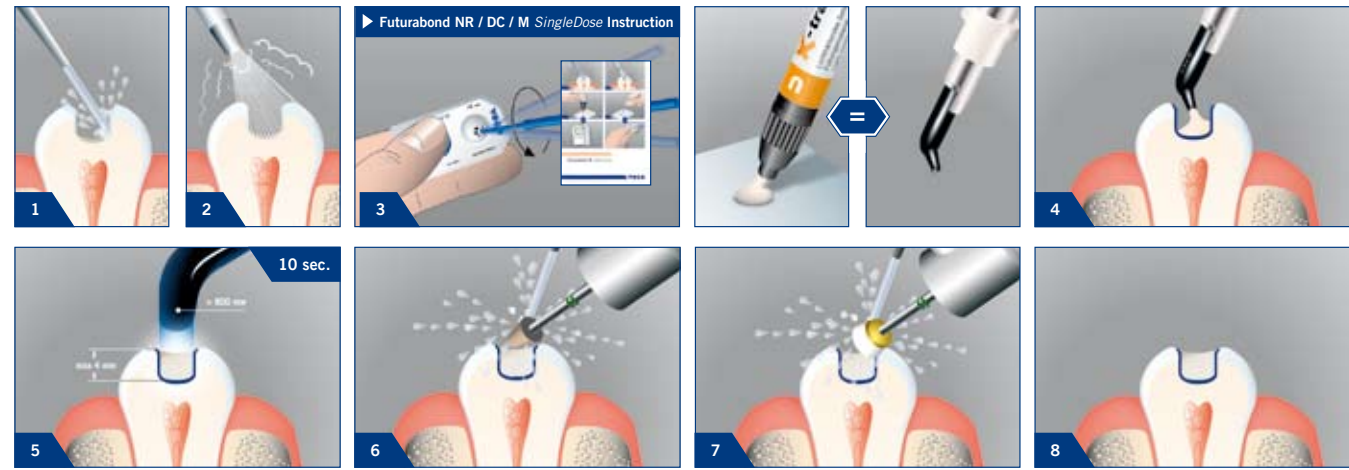


**x-tra fil**

**LIGHT-CURING POSTERIOR RESTORATIVE**



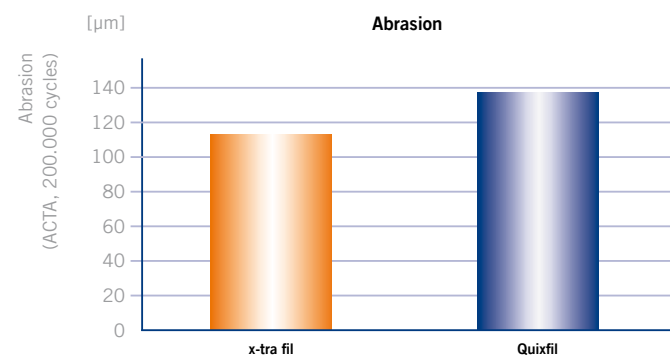
x-tra fil offers excellent and balanced physical properties that are either equal to or even superior to those of other composites on the market. x-tra fil's performance data also exceed the required standards.

**Your advantages**

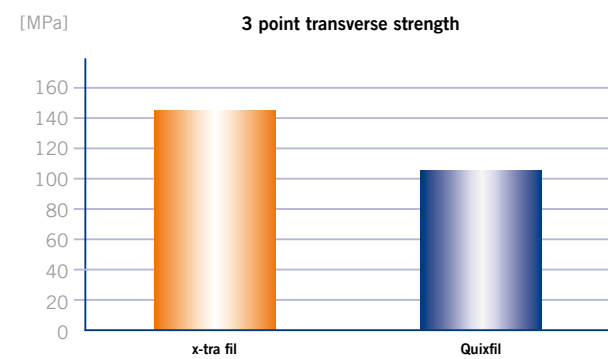
- **Cost-effective**  
Tooth-shaded posterior restorations with an attractive cost-performance ratio
- **Quick**  
4 mm layers are cured in 10 seconds
- **Clever**  
Simple handling, excellent physical properties

**Indications**

- Load-bearing, posterior Class I and II restorations
- Core build-up



Source: Dr. M. Rosentritt, University of Regensburg, 2005, data on file



Source: Dr. M. Rosentritt, University of Regensburg, 2005, data on file

**x-tra fil**

**LIGHT-CURING POSTERIOR RESTORATIVE**



**Presentation**

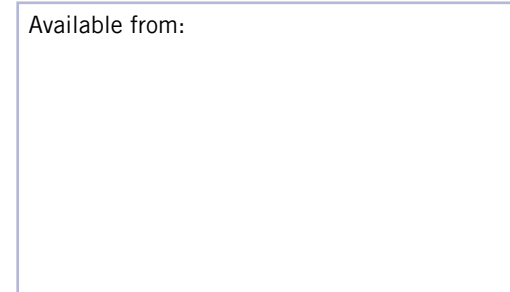
- REF 1740 x-tra fil 5 g syringe, universal shade
- REF 1741 x-tra fil 20 x 0.25 g Caps, universal shade
- REF 1739 x-tra fil 10 x 5 g syringes, universal shade

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Available from:



**x-tra fil**

**LIGHT-CURING POSTERIOR RESTORATIVE**

**x-tra fil**

**ECONOMICAL – QUICK – CLEVER**

The balance between your costs and the actual achieved return with posterior restorations is a very familiar issue. The discussion regarding amalgam is also added with the patients desire for an amalgam-free restoration, patients however do not want to pay too high a premium for not having amalgam fillings. A decision must be made: Use a composite that must be placed in small increments in the cavity and individually light polymerised, a paste-paste material with a relatively long curing time or make compromises, such as using a non-composite material.

**x-tra fil – a real alternative**

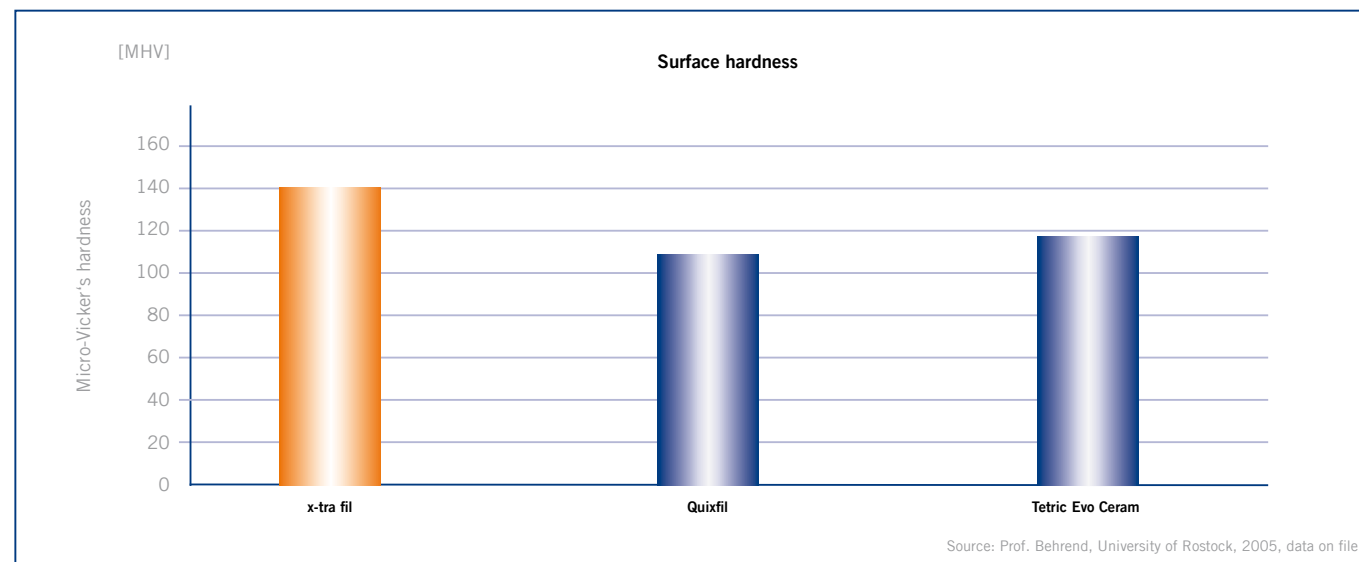
x-tra fil offers a real alternative here. This light-curing, hybrid composite with high radiopacity was developed for quick use in the posterior area. Excellent handling, outstanding curing depth and low shrinkage distinguish x-tra fil from the rest. This cost-effective composite permits tooth-shaded posterior restorations without economic disadvantages for your surgery. The material's high translucency produces a chameleonic shade match of the material to the surrounding tooth substance. The aesthetics obtained are thus more than acceptable as an alternative to an amalgam filling for cost-conscious patients.

**Quick processing without compromises**

x-tra fil achieves these outstanding physical properties through the combination of a new multi-hybrid filler technology with an innovative initiator system for photopolymerisation. A restorative with very low polymerisation shrinkage and excellent curing depth properties is the result.

x-tra fil offers the possibility to safely light-cure increments of up to 4 mm in thickness in only 10 seconds (minimum light output 800 mW/cm<sup>2</sup>). The working time can be further reduced in comparison to conventional posterior restorations by combining x-tra fil with a VOCO Futurabond SingleDose self-etch adhesive (Futurabond NR/Futurabond DC or Futurabond M). The unproblematic handling of x-tra fil combined with a shorter working time of the Futurabond family contributes to the unique cost-effectiveness of the restoration.

The reduced shrinkage stress with x-tra fil provides the foundation for durable restorations with a tight marginal seal. The physical stability and high resistance to abrasion have been fine-tuned to meet the special requirements of load-bearing restorations. Due to its high radiopacity, x-tra fil can clearly be distinguished from tooth substance on an x-ray.



**x-tra fil**

**THE MATERIAL OF CHOICE**

The combination of the described properties makes x-tra fil the material of choice for situations in which amalgam would have previously been used. With x-tra fil, your patients receive

a reasonably priced, high quality, tooth-shaded posterior restoration.

In addition to the posterior restoration indication, x-tra fil can also be used with so-called non-compliance patients, due to its time-saving process. The material is also well-suited for

cost-saving core build-up. x-tra fil is available in a universal shade in both convenient dosing syringes and direct application Caps.

1 Tooth 26 with an amalgam restoration in need of replacement

2 There is a large MOD cavity with a separate palatal cavity after excavation

3 Generous wetting of all cavity surfaces with Futurabond NR

4 The glistening surface indicates excellent wetting with the bond before polymerisation

5 Modeling the marginal ridge against the matrix

6 Polymerising for 10 seconds with a minimum of 800 mW/cm<sup>2</sup>

7 A Class I cavity results from restoring the marginal ridge

8 Filling the cavity in 4 mm increments

9 Designing the occlusal anatomy

10 Polymerisation in 10 seconds with a minimum of 800 mW/cm<sup>2</sup>

11 Filling the palatal cavity

12 Finished restoration after occlusal verification

Source: Dr. Jürgen Manhart, Private Instructor