



x-tra base®

**x-tra base**

**FLOWABLE LIGHT-CURING BASE COMPOSITE**

**VOCO**  
THE DENTALISTS

## x-tra base®

### FOR EFFICIENT AND SAFE RESTORATIVE TREATMENT IN THE POSTERIOR REGION

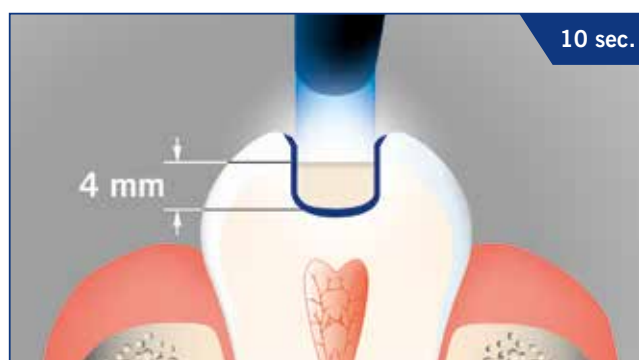
x-tra base is VOCO's new flowable composite with reduced shrinkage stress for the bulk filling technique! Used as a 4 mm restoration base for Class I and II cavities, x-tra base enables you to make huge savings in terms of time and money when creating high-quality posterior tooth restorations!

#### Success couldn't be simpler!

x-tra base is a flowable self-levelling composite which allows increments of up to 4 mm to be placed in a single step, i.e. without the need for time-consuming layering. A mere 10 seconds are required for light curing when using the Universal shade! This makes x-tra base twice as fast as other composites in this class. After the placement and polymerisation of x-tra base, the restoration base is covered occlusally with a thin 2 mm layer of a universal or posterior composite.

The quality of the restoration base is vital for the long-term success of the complete restoration. The very good physical properties of x-tra base, in particular its high compressive strength and low water absorption and solubility, make this product stand out from the competition.

#### The quickest way to reliable restorations!



With a particularly high filler content for this material class of 75 % by weight and a special resin matrix, x-tra base features low shrinkage and considerably reduced shrinkage stress. This guarantees a long-lasting, reliable adhesive bond and minimises the risk of marginal leakage and possible secondary caries, even with a 4 mm layer.

#### Outstanding quality – scientifically proven

	x-tra base Universal shade (VOCO)	Venus Bulk Fill Universal shade (Heraeus Kulzer)	SDR Universal shade (Dentsply)
Curing time [s] with 4 mm increment thickness (as per instructions for use)	<b>10</b>	20	20
Radiopacity [%AI] (as per ISO 4049)	<b>350</b>	247	306
Shrinkage stress [MPa] (Bioman method)	<b>5.93</b>	6.79	6.54
Shrinkage [% v/v] (bonded disc)	<b>2.54</b>	3.25	2.57
Filler content [%] (as per the instructions for use)	<b>75</b>	65	ca. 68
Flexural strength after thermocycling, 3000 cycles [MPa] (as per ISO 4049)	<b>141</b>	94	126
Compressive strength [MPa] (as per ISO 9917)	<b>357</b>	328	220
Micro Vickers Hardness [MHV] <sup>1</sup>	<b>100</b>	52	61
Toothbrush abrasion [µm] (abrasion as per ISO 11609, measurement by means of laser profilometry)	<b>16</b>	29	19
Water absorption / solubility [µg/mm <sup>3</sup> ] (as per ISO 4049)	<b>7.73 / &lt; 0.1</b>	24.90 / 0.41	20.18 / 2.89

Source: VOCO GmbH internal measurements 2011

<sup>1</sup> Source: Prof. Dr. D. Behrend, University of Rostock, 2011

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## x-tra base®

### THE FIRST CHOICE WHEN IT COMES TO THE BULK FILLING TECHNIQUE

Would you rather work with a flow syringe than with a compule, or is the opposite true? At VOCO we offer both, so the choice really is yours. In addition, thanks to the two shades, Universal and A2, you can either work very quickly or focus on aesthetics, depending on your requirements. Either way, x-tra base offers you the better choice!

#### Two application types

Time and time again, there are situations in which proximally deep and narrow cavities are difficult to reach. In such cases, the use of x-tra base is not only advantageous due to its optimal flow properties and first-class adaptation to the cavity walls and, above all, the cavity floor. The non-dripping NDT®-syringe with its long, thin metal cannula and the Caps with flexible metal cannula also ensure precise application, especially in hard-to-reach areas.



#### Two shades

x-tra base is available in the shades Universal and A2. In most cases, the extremely quick to cure Universal shade is the first choice for the restoration base. A2 is recommended for visible areas in particular.

Covered with a layer of the universal composite GrandioSO from VOCO, high-quality and aesthetically pleasing posterior restorations can be produced within a very short period of time.

Universal



A2



#### Excellent handling



A fully prepared cavity



Coating of the cavity walls with Futurabond DC



Start at the deepest point in the cavity ...



... and fill up to 4 mm with x-tra base



Apply a 2 mm occlusal layer of GrandioSO



Finished restoration

## x-tra base®

### FLOWABLE LIGHT-CURING BASE COMPOSITE

#### Indications

Base in class I and II cavities

Cavity lining under direct restorative materials in class I and II cavities

Small, non occlusal stress-bearing class I restorations according to minimally invasive filling therapy

Class III and V restorations

Extended fissure sealing

Undercut blockout

Repair of small enamel defects

Repair of small defects in aesthetic indirect restorations

Repair of temporary C&B-materials

Core build-up

#### Advantages

- 4 mm restoration base in one simple step
- Cures reliably in only 10 seconds (shade universal)
- Perfect surface affinity for outstanding adaption
- Low shrinkage stress
- High level of radiopacity (350 %Al)
- Self-levelling
- Can be combined with any methacrylate-based bonding or composite
- The non-dripping NDT®-syringe or convenient Flow-Caps with bendable metal cannulae ensure a reliable, precisely accurate application

#### Presentation

REF 1790 Syringe 2 × 2 g universal, accessories

REF 1791 Syringe 2 × 2 g A2, accessories

REF 1794 Caps 16 × 0.25 g universal

REF 1795 Caps 16 × 0.25 g A2

REF 9301 Dispenser – Caps

REF 2148 Application cannulae type 46, 100 pcs.



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