



Briefing for the creation of clinical cases using Venus Bulk Flow ONE

Main facts of the material:

Venus Bulk Flow ONE is a flowable, one-shade bulk-filling composite without the need for an additional capping layer. Ideal solution for everyday cases that offers an extraordinary colour adaptation in one single shade. Indications include adhesive, tooth-coloured restorations for the anterior and posterior region, including the occlusal surfaces.

- Benefits of the material:
 - Cavities are quickly and easily filled with increments of up to 4 mm without the need for an additional capping layer.
 - Good shade matching abilities to all tooth shades from A1 to D4 due to adaptive light matching.
 - Reliable solution by its good physical properties like high wear resistance, high flexural strength and low shrinkage stress.
- Application:
 - Attach a rubber dam (e.g. Ivory Rubber Dam) to the area to be treated.
 - If indicated, use a matrix system to design proximal contacts. The matrix should be shaped with a suitable instrument because Venus Bulk Flow ONE does not build up pressure during placement of the composite.
 - Apply an adequate adhesive system (e.g. iBond adhesive system) according to the manufacturer's instructions.
 - Apply Venus Bulk Flow ONE starting at the deepest point directly into the prepared cavity, keep tip immersed and slowly fill the cavity from the bottom to top up to a maximum height of 4 mm. If necessary, remove air bubbles and excess material with a probe or microbrush before polymerization.
 - Light cure Venus Bulk Flow ONE for 20 s with a suitable blue light polymerisation lamp (wavelength: 450 – 480 nm, light power: 600 – 1550 mW/cm²).
 - Do not remove or touch the dispersion layer so that further composite layers can be optimally applied. A topcoat with a universal composite material is not mandatory, but is possible.
 - Finally, finish, contour and polish the restoration.
- Indications:
 - Class-I, -II, -III and -V direct restorations
 - First-layer lining for class I and II cavities
 - Repair of direct and indirect restorations in combination with a suitable adhesive
 - Splinting loosened teeth resulting from trauma or periodontal associated events
 - Extended fissure sealing
- Contraindications:



- In case of known or suspected allergy to components of the product, its use is contraindicated.
- Do not use this product in case of known or suspected allergies against (meth)acrylyte compounds.
- Do not use on dentin close to the pulp (layer thickness < 1 mm).

Minimal requirements for clinical cases, videos and case reports:

- Case requirements:
 - Please make sure, that the photographs show the usage of Venus Bulk Flow ONE within the above mentioned indications.
 - Focus on the everyday basic restorations which are normally not individualised by staining shades.
 - Preferably the entire treatment should be shown: initial situation, excavation, preparation, adhesive application (iBOND Universal), placement of Venus Bulk Flow ONE, finishing & polishing (e.g. Venus Supra) and final restoration if possible after rehydration.
 - Please use rubber dam (e.g. Ivory Rubber Dam).
 - We appreciate both application cases in the posterior: using Venus Bulk Flow ONE without or with capping layer (applying Venus Diamond/Venus Pearl (ONE) as top layer).
 - Please cover the Venus Bulk Flow ONE syringe with a hygienic single-use sleeve when using it intraorally and taking photographs of the application. Using such a sleeve is also mandatory for other syringes such as etching gels, other flowables, resin cements, astringents, etc.
 - Always appreciated are also pictures from follow-up appointments with information on the clinical outcome (e.g. marginal integrity, sensitivity, secondary caries, aesthetic quality).
- Photography requirements:
 - A Digital SLR camera with ring or lateral flash should be used in combination with a macro lens.
 - Take photographs as RAW- , TIF- or highest quality JPEG- file format.
 - Photographs should be sharp with a high depth of field (large aperture value). Region of interest has to be in focus (sufficient depths of focus) and in the centre of the photograph.
 - Use always the same detail of the photograph in a series of photographs.
 - Preferably use a clean, scratch-free, non-fogged (to avoid fogging of mirrors apply dry air onto the mirror whilst photographing) photo-mirror for photographs of occlusal/ lateral aspects.
 - Make sure that the cheeks, lips and tongue are sufficiently retracted, if possible without showing the retractors; otherwise retractors should be in flawless condition) and the clinical situation is clean and dry.
 - The screen layout has to be symmetrical, e.g. incisal edges parallel to the horizontal edge of the photograph, axis of teeth parallel to the vertical edge of the photograph.



- If you take full face photographs which make the patient recognisable, ensure that you have the written consent by the patient (please keep it with your records).
- Feedback:
 - Please share with us your experience you had using Venus Bulk Flow ONE. Every feedback is highly welcome as you can help to optimise our products.
 - Please share with us feedback concerning the usage of the product:
 - Confirmation that no complications/side effects occurred during the treatment and follow-up appointments, or otherwise detailed feedback if complications/side effects occurred during the treatment or follow-up appointments.
 - A rough estimation how often the product was used for the same indication during e.g. the last week/month.
 - If you like, you could also send us a short video statement on the material or alternatively a short written statement on the material.

We are really looking forward to seeing your cases on Venus Bulk Flow ONE!

A quick way to share a case with us:

<https://www.kulzer.com/venus-case>

Example by Prof. C.-P. Ernst, Mainz, Germany:

Minimum steps	Photograph	Example Subtitle
Initial		„Hidden caries“ below marginal ridge of 2 nd lower right premolar.
Radiograph (alternatively opened caries)		
Cavity preparation		Excavated and prepared cavity with rubber dam-isolation.



<p>Adhesive application (iBOND Universal)</p>		<p>Sectional matrix in situ, adhesive already cured.</p>
<p>Application of Venus Bulk Flow ONE/Restoration before polishing</p>	<p>This photograph should show the application or the situation directly after the application of the filling material</p>	<p>Cavity filled with Venus Bulk Flow ONE in one increment.</p>
<p>Finishing and polishing of the restoration</p>		<p>Situation after removal of the sectional matrix and finishing the marginal ridge with a flexible disc.</p>
<p>Situation after removal of rubber dam and final polishing with Venus Supra</p>		<p>Finished and polished Venus Bulk Flow ONE restoration.</p>
<p>Photograph showing the situation after rehydration of the tooth</p>		<p>Clinical follow-up after 4 weeks.</p>
<p>Optional: final radiograph</p>		<p>X-ray control: Very good radiopacity of Venus Bulk Flow ONE</p>

Portrait of the author:

