



## FAQ's

- **When is Venus Bulk Flow ONE recommended to be used with or without capping layer?**

Using Venus Bulk Flow ONE without capping layer is beneficial in all clinical cases where a flowable viscosity is ideal during placement, e.g. slot or small cavities or those with tunnel preps, class III restorations with intact labial wall or class V restorations. From a patient perspective, Venus Bulk Flow ONE is furthermore ideal in cases with little patient compliance or time. By preference or if patients demand a natural morphology, Venus Bulk Flow ONE can always be used with capping layer, too. Using Venus Diamond or Venus Pearl on top might be advisable in big cavities or cusp replacements.



- **Does Venus Bulk Flow ONE require an opaque blocker?**

In case of severe discolourations, the tooth-coloured opaque shade Venus Diamond Flow OM (Opaque Medium) can be used. Alternatively, the white-opaque Venus Diamond Flow Base-liner can be used at the bottom of the cavity. This allows the coverage of discolourations and prevents the unnecessary removal of healthy tooth substance in case of a re-entry.

- **What are the differences between the usage of Venus Bulk Flow ONE and Venus Diamond/ Venus Pearl ONE?**

Venus Bulk Flow ONE is a flowable bulk-filling composite with curing depths of up to 4mm whereas the high-viscous composites Venus Diamond and Venus Pearl in ONE Shade are applied in incremental layering techniques in 2mm. The two different viscosities and application techniques imply different benefits complementing each-other in everyday posterior restorations.

- **Is Venus Bulk Flow ONE radiopaque?**

Yes, Venus Bulk Flow ONE fillings are easily recognized on X-rays which supports a reliable diagnosis. Its radiopacity with app. 300%-AI is much higher than the radiopacity of dentine (100AI%) and enamel (200AI%).

- **Can Venus Bulk Flow ONE be used in the anterior region?**

Venus Bulk Flow ONE is indicated for class III and class V restorations. The Adaptive Light Matching ensures an optimised colour adaptation in ONE shade. Customers have especially



made good experience in terms of shade match if the class III restoration has a small labial part or an intact labial wall.

- **How is the ONE Shade working?**

The ONE shade has been optimised to deliver the perfect balance of chroma and translucency that allows the restoration to become virtually invisible. Therefore, the ONE shade can be used with confidence in any Class I and Class II restoration. And this colour adaptation is what we call Adaptive Light Matching.

- **Can Venus Bulk Flow ONE be used in class IV cavities?**

Independent from its usability, Venus Bulk Flow ONE is not indicated for class IV cavities.

- **What is the flexural strength in comparison to high-viscous composites?**

Venus Bulk Flow ONE complies with ISO4049 and is released for posterior restorations including occlusal surfaces. Its flexural strength of 120MPa is on a level or even superior than leading high-viscous composites which ensures a reliable resistance against mastication forces.

- **What is the wear resistance of Venus Bulk Flow ONE?**

Venus Bulk Flow ONE has shown comparable wear rates to other composites indicated for the restoration of occlusal surfaces in the posterior region based on standard test methods.

- **How does Venus Bulk Flow ONE behave after teeth get bleached or are aging?**

Venus Bulk Flow ONE does not bleach or age in colour itself. However, its Light Adaptive Matching ensures a colour match to any dentition which still applies to a certain extend to teeth getting bleached or that are aging. Kulzer however recommends whitening procedure to be completed a minimum of 14 days prior to placing the composite restoration. This is to ensure an ideal fit in colour and proper curing of the dental adhesive.

- **Is Venus Bulk Flow ONE based on the traditional monomers like BisGMA, TEGDMA or HEMA?**

Venus Bulk Flow ONE is based on established multifunctional methacrylate monomers (UDMA, EBADMA).

- **Is Venus Bulk Flow ONE compatible with other composites and bonding agents?**

Venus Bulk Flow ONE can be combined with all commercially available (meth)acrylate-based composites and bondings. We recommend the use of the universal nano-hybrid composite Venus Diamond or Venus Pearl as well as the bonding agents iBOND Universal or iBOND Total



Etch.

- **What is the filler content?**

Venus Bulk Flow ONE contains approximately 65 % by weight, or 41 % by volume inorganic fillers such as Ba-Al-F silicate glass, YbF<sub>3</sub> and SiO<sub>2</sub>. The filler particle size is between 0.02 µm and 5 µm.

- **Does Venus Bulk Flow ONE release fluoride?**

The glass fillers, used in the composite compound, contain fluoride. The glass structure bonds the fluoride ionically and in this form, it is less soluble compared to sodium fluoride. This is why we can state that Venus Bulk Flow ONE releases some fluoride traces but beyond any clinical or caries protective relevance.

- **Can Venus Bulk Flow ONE be used for cementing veneers?**

Independent from its usability, Venus Bulk Flow ONE is not indicated for cementing veneers.

- **Can brackets also be bonded with Venus Bulk Flow ONE?**

Independent from its usability, Venus Bulk Flow ONE is not indicated for bonding of brackets.