Frequently Asked Questions

Telio CS Inlay / Onlay

1. **What are the Telio CS Inlay and Telio CS Onlay materials used for?**

   Telio CS Inlay and Telio CS Onlay are light-curing single-component materials for the temporary restoration of Class I and II cavities. Moreover, these materials can also be used to reline prefabricated polycarbonate crowns and seal implant screw access holes.

2. **What are the main benefits of Telio CS Inlay / Onlay?**

   1.) Colour-stable temporary restorations and reduced build-up of odour

   2.) Quick and easy application

   3.) Simple and quick removal in one piece

3. **In what shades and delivery forms are Telio CS Inlay / Onlay available?**

   The two temporary restorative materials Telio CS Inlay and Telio CS Onlay come in the shades Tranparent and Universal. The materials are supplied in syringes and Cavifils. Telio CS Inlay and Telio CS Onlay are available in the ergonomic, newly designed screw-type syringes and Cavifils with enhanced handling properties.

4. **What are the advantages of the new, redesigned delivery form?**

   The new, redesigned delivery form offers convenient handling as a result of the ergonomically designed syringe. Given its ergonomic properties, the syringe fits the hand well and allows an easy and precise application of the Inlay and Onlay materials. Another advantage is the clear and coherent colour coding used for Ivoclar Vivadent's new delivery form. The material shades can be recognized by the colour ring on the syringe body and by the labelling on the screw head.

5. **For how many applications does a syringe / Cavifil last?**

   The amount of material required for inlay and onlay restorations differs, and the size of the cavity depends on the patient. Generally, more material is required for an onlay restoration than for an inlay cavity. A Telio CS Inlay / Onlay Cavifil contains 0.25 grams of material and is sufficient for a temporary inlay or onlay restoration. The syringe delivery form contains 2.5 grams of the temporary restorative material and is sufficient for at least 10 temporary restorations.

6. **What curing light, light intensity and curing time are suitable to cure Telio CS Inlay / Onlay material?**

   Telio CS Inlay / Onlay restorations can be cured with popular curing lights. Increments of up to 4 mm thickness can be cured with a curing light with an intensity of approx. 650 mW/cm^2 (e.g. bluephase in the Low Power mode) in 10 seconds per surface.

7. **How high is the volumetric shrinkage of Telio CS Inlay / Onlay?**

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The average shrinkage of the Inlay / Onlay material amounts to 1.3%. This represents an improvement over the predecessor products Systemp.inlay/onlay (1.6%) and Fermit/N (2.3%) and the formation of a marginal gap is therefore reduced.

8. Is it necessary to use a temporary cement for Telio CS Inlay / Onlay?

No. Telio CS Inlay / Onlay are single-component materials for the temporary restoration of Class I and II cavities and do not require the use of a temporary cement. The temporary restorative material is applied directly in the cavity and can be removed in one piece.

9. What is the difference to the predecessor products Systemp.inlay/onlay and Fermit/N?

Telio CS Inlay and Onlay are the new and improved successor products of Systemp.inlay/onlay and Fermit/N. The new temporary restorative material combines the excellent and the most highly rated handling properties of both products. Telio CS Inlay / Onlay feature the consistency of Fermit/N and offer convenient modelling properties. At the same time, the low stickiness to modelling instruments exhibited by Systemp.inlay/onlay has also been adopted and even improved for Telio CS Inlay / Onlay. Furthermore, the very low volumetric shrinkage during polymerization has been further reduced. In combination with minimized water absorption, reduced water solubility and low shear bond strength, this results in a more bacteria-tight and colourstable temporary restoration as compared with the previous materials. Due to the significant improvements in curing depth, the curing time of 20 seconds for Systemp.inlay/onlay and Fermit/N could be reduced to 10 seconds. The improved handling properties allow the material to be applied, used and subsequently removed in one piece in a simple, quick and time-saving fashion. Furthermore, Telio CS Inlay/Onlay contain a fluoride which was not present in the previous products.

10. Comparison of Telio CS Inlay and Telio CS Onlay with Telio CS C&B: What are the differences?

The main difference is that Telio CS C&B hardens, while the Telio CS Inlay and Onlay materials polymerize to a soft and a hard-elastic state, respectively. Both products are composite materials. This means that there is an organic base material, in this case an organic resin matrix (which, in the case of inlays, is very flexible and wide-meshed) and an inorganic filler. Telio CS C&B and Telio CS Inlay/Onlay are both composites, but they consist of different components.

Due to its soft elastic final consistency, **Telio CS Inlay** is particularly suitable for deep inlay preparations with parallel walls, even with slight undercuts. Furthermore, it can be used to seal implant screw holes.

Telio CS Onlay features a hard-elastic final consistency and is therefore mainly suitable for larger and less retentive preparations (onlays).

Telio CS C&B is indicated for the fabrication of temporary crowns, bridges, post-retained temporary crowns and veneers.

11. What additional conmponents are contained in the Telio CS Inlay/Onlay materails, and in what concentration?

The Telio CS Inlay / Onlay materials contain fluoride (in a concentration of 1500 ppm) as

cariostatic agent. Furthermore, as was the case with the predecessor product Sys-

temp.inlay/onlay, triclosan is contained as antibacterial agent. The concentration of 0.3% remained unchanged.

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12. Fluoride and adhesive cementation?

The Telio CS Inlay / Onlay materials contain the same concentration of fluoride as customary tooth paste. Such a fluoride concentration does not compromise the subsequent adhesive cementation.

13. Triclosan as a component?

Triclosan is a bactericidal agent and is used in various concentrations for instance in disinfectants or cosmetic products, household cleaners and detergents. In the recent past, triclosan has been used not only in medical products, but increasingly also in consumer goods and fabrics. The low concentration contained in Telio CS Inlay/Onlay serves the purpose of reducing the accumulation of bacteria on the composite material during the wear period of the temporary restoration. This also helps to reduce the build-up of odour. However, this applies only to the wearing time recommended in the Instructions for Use.

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