VOCO
THE DENTALISTS

Game-changing restorative solutions

Range of options for application: direct restorations of all classes of cavity and core build ups, indirect restorations, intraoral repairs of fillings, ceramic veneers and ceramic restorations

One of the most important aspects of minimally invasive restorative dentistry is the materials chosen for replacing and reproducing the natural tooth structure. Over the last 36 years VOCO have produced pioneering product innovations, not just in terms of minimally restorative materials, but also adhesive systems which reliably link the restoration and tooth.

Minimally invasive (MI) dentistry is achieved using 'adhesive' techniques, which are probably the most revolutionary changes in restorative dentistry. The term 'adhesive dentistry' refers to dental procedures and techniques that do not depend on traditional mechanical factors for retention, but rather 'adhere' to tooth substance. Examples include the placement of composite resin restorations, composite and porcelain veneers, and resin-bonded bridgework.

The success of MI restorative dentistry relies on adhesive techniques that establish some form of 'bond' or 'adhesion' between the restorative material and underlying tooth substance. This has clear implications for the longevity of the tooth itself, as the amount of healthy tooth substance lost is reduced. Similarly, the restoration of worn or fractured teeth with composite resin rather than the use of traditional full-coverage crowns with deep retentive preparations reduces the chances of damage to pulpal tissues.

Remarkable clinical advantages

Aesthetics plays an increasingly important role in modern dentistry. The employment of MI techniques to preserve the tooth substance and neighbouring structures and the use of dental materials boasting the highest possible stability and biocompatibility are now essential.

Using the latest advances in science, combining proven nanohybrid and ORMOCER technology ('**O**rganically **M**odified **C**eramics'), Admira Fusion offers several remarkable clinical advantages. As the world's first dental restorative material to use unique 'Pure Silicate Technology'. The light-curing and radiopaque Admira Fusion delivers a highly biocompatible material for anterior and posterior use, which delivers outstanding handling in comparison with all restorative composites of market relevance. It exhibits by far the lowest level of polymerisation shrinkage (1.25% by volume) coupled with extremely low shrinkage stress (3.71 MPa).

Admira Fusion contains no conventional methacrylate monomers and therefore allows a more biocompatible restoration, a purely ceramic-based composite compatible with all bonding systems. ORMOCER has an 84 % (by weight) content of inorganic fillers, giving it excellent wear resistance, and covers a broad spectrum of indications. Admira Fusion's high colour stability and optimal selection of shades gives it an additional edge and allows total universal use, meeting the highest demands in anterior and posterior regions.

Being a very homogeneous material, it offers outstanding handling and high surface hardness to guarantee first-class long-term results for Class 1 to V restorations and as a base in Class I and II cavities. Admira Fusion is available in syringes as well as caps for direct application for use in numerous applications including direct restorations of all classes of cavity, core build ups, indirect restorations, intraoral repairs of fillings, ceramic veneers and ceramic restorations

Go with the flow

Admira Fusion is complemented by a flowable version - Admira Fusion Flow. Thanks to 'Pure Silicate Technology', Admira Fusion Flow also demonstrates very low polymerisation shrinkage and a low level of shrinkage stress. Just like Admira Fusion and Admira Fusion x-tra (available for 4 mm increments), Admira Fusion Flow offers excellent biocompatibility and very high colour stability.

The 12 Admira Fusion Flow shades are optimally coordinated to the shade range of the packable version of Admira Fusion. Admira Fusion Flow is available in the non-running or dripping NDT syringe patented by VOCO, guaranteeing safe, precise application without material loss, is easily polished and compatible with all conventional bonding agents.

Future proof bonding

Often restorations break down due to bond failure and to combat this VOCO have developed Futurabond U, a universal dual-curing adhesive. Futurabond U is fully compatible with all light-curing, self-curing or dual-curing methacrylate-based restorative, core build-up or luting composite materials. It offers outstanding adhesion to a wide variety of materials compared to other universal, self or total-etch adhesives, including metal, zirconium dioxide, aluminium oxide, silicate ceramics and composites, all without the need for any additional primer. Ensuring a durable, gap-free bond between the hard tissue and the restorative material Futurabond U exhibits excellent physical properties for the long-term.

Futurabond U seals cavities prior to amalgam restorations or temporary luting, and luting of root posts with dual-curing or self-curing luting composites. It is ideal for the treatment of hypersensitive tooth necks and as a protective varnish for glass ionomer cement restorations.

Easy and quick to apply – only 35 seconds' total working time – in just one layer, Futurabond U comes in practical Single Dose blister packs with no additional devices required, no spilling and refrigeration is not necessary.

From fundamental concepts to advanced skills, VOCO takes you on a restorative dental materials journey that focuses on physical properties, biocompatibility, aesthetics and ease of application.

Call VOCO free on 00800 44 444 555 or email service@voco.de. Trial Admira Fusion by requesting a FREE 'Starter Kit' when you order your first treatment kit.

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