

BONDING PRODUCTS



Oxford Bond SE Mono

Oxford bond SE Mono is a simple one step, self-etching light cure one component adhesive for the strong bonding of composites to enamel and dentin. It is compatible with all current brands of visible light cure methacrylate based composite restorative materials and light cure Glass Ionomer resins.

It saves time in the dental treatment and prevents post-operative sensitivity while eliminating mixing and seals the margins to protect against micro-leakage. Its simple application is quick and easy and yields a strong bond to both dentin and enamel. It can be used in place of Adhese One F Ivoclar, I-Bond Kulzer and many other bonding agents

See Oxford Sell Sheet for details.



Oxford Bond SE Dual

Oxford Bond SE Dual is a simple to use self-etching, dual cure adhesive for both direct and indirect restorations. It is designed for strong and reliable bonding of dual cure, light cure, self-cure composites and, also compomers and resin modified glass ionomer cements to both enamel and dentine. Oxford Bond SE Dual consists of two components in a single mix unit dose or 2 bottles that are mixed before application. In order to insure a complete and strong bond between the core material and the remaining tooth, use Oxford bond SE Dual. An easy to use bonding agent, its dual cure, high bond strength can be used to bond between dentin and enamel. It can also be used in place of Clearfil DC Bond Kuraray, Futurabond DC VOCO and other bonding agents.

See Oxford Sell Sheet for details.

ONE PRODUCT DOES IT ALL



See Oxford Sell Sheet for details.

Oxford Universal Bond

Oxford Universal Bond is a versatile and suitable bonding agent for all bonding techniques that are currently in use. This includes all of the following: Self-etch, Selective Etch, Total Etch techniques, and Wet or Dry Dentin. Oxford Universal Bond contains MDP which is known for its self-etch properties and its ability to bond chemically to surfaces of metal oxides like Zirconia and Aluminum Oxides. It can also be used for bonding to indirect restorative materials except ceramics. You only need to apply one thin layer reducing time and technique sensitivity. One product can be used for multiple techniques reducing inventory and mess and the danger of incorrect application. It also makes it easy to consistently get high and reproducible bond strengths under stress and with dual or self-cure composites. It can be substituted for Scotchbond Universal, 3M Espe, and in general almost all bonding agents.

The Oxford Difference Makes All The Difference

Oxford Scientific gives you unique product options that allow you to choose what is right for you, your patient and a specific procedure. We improve your profit without compromising quality, and our products really do bring true value to your dental practice. Try us and see what fifty years of advancing dentistry can do for you!

Dentist and Consumer Focused

We understand needs vary from patient to procedure & you need options.

Business Minded

We realize you're running a business and need to improve efficiency & profit without sacrificing the quality of care.

Meaningful Advantages

Our goal is to advance dentistry from a product use or performance stand-point. We focus on true value add advantages not industry buzz words.

Oxford Scientific

JENAL MARKETING

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Cementing and Bonding Materials Oxford Scientific Products for Cementing and Bonding.

Oxford Dental can help improve your process, save time, and save money with better results. There are numerous types of products and several procedures used in dentistry where two surfaces are either bonded or cemented together in place.

Many Oxford products have dual use and can be used for different applications so they offer a commonality of purpose and some unique different purpose. This gives the dentist versatility while reducing the number and types of products they must inventory, all at a savings of time and effort.



Cementing and Bonding

Bonding is commonly referred to where a liquid type product is used to bond the surface of two materials together for the intended purpose. Cementing is a term commonly used where a paste type product is used to bond the surfaces of two materials together for the intended purpose.

Since there are a large variety of products in the market and there are various ways to test these products, it is most important for you to know what features and benefits differentiate the products.



Core Material

Oxford Zircore NANO is a dual cure radiopaque composite material for core build-up and post cementing. Oxford Zircore NANO contains nano-silica, nano-zirconia and nano-calcium fluoride yielding excellent mechanical and physical properties allowing for precise crown prep and easy cementation. Oxford Zircore NANO has a short setting time and excellent thixotropic properties. Oxford Zircore NANO's nano-calcium fluoride assists in caries prevention. Dual cure properties enable the dentist to perform cementations and core build-ups where light curing cannot be guaranteed to be adequate. Oxford Zircore NANO is compatible with other resin or composite based products.

It would seem logical that whether or not you used a Zirconia crown material that you would want a strong base made of Zirconia with excellent tensile and flexural strength, dual curing, dual use as a core and post cement using nano-zirconia particles and nano-silica for making it easy to sculpt while cutting like dentin and at the same time contains nano-calcium fluoride for help to prevent secondary caries. Can be used in place of Voco Rebilda, FluoroCore 2 Dentsply, LuxacoreDual and Z, Multicore flow by Ivoclar and others.

Reference the Oxford Sell sheet for all data and uses.

See Oxford Sell Sheet for details.



Oxford GI Resin Cem UF

Oxford GI Resin Cem UF is a newly developed Ultra-Fine Resin Reinforced GI Luting Cement. It is biocompatible and contains fluoride release chemical system. With its excellent chemical bonding to both dentin and enamel it seals tightly at the dentinal margins. The resin reinforced Glass Ionomer has longer term wear resistance and extended work time. It does not exhibit the solubility of traditional glass ionomer products and the advanced resin component easily bonds to resins and composites. The unit dose capsule system eliminates measuring and hand-mixing.

Oxford GI Resin Cem UF can be used for cementing of crowns, bridges, Inlays and onlays (all types metal, resin, ceramic fused to metal and ceramic.) It also can be used as a liner under composite fillings. Read and follow the directions. The better strength values compared to other RMGI cements gives assurance your restoration will give higher mechanical resistance and long term wear resistance with reduced solubility, long working time with rapid command set and also give you fluoride release for caries protection.

It can be used in place of Fuji Plus GC or Vitrebond 3M Espe cement.

See Oxford Sell Sheet for details.



Product Comparisons

Some caveats and definitions for you to understand and be aware of in comparing products include:

- When there are failures of the product to work properly, there are generally two types of failures: Cohesive and Adhesive. A cohesive failure is where the actual material breaks, not the bonding/cementing agent. An adhesive failure is where the actual bonding/cementing agents fail, not the material. Either type of failure can occur.
- There are countless varieties of laboratory tests approved for the same types of dental bonding/cementing products. These tests must be followed exactly to get the best results. Different test protocols provide different values for the same products depending on the testing protocol. Using a particular test and comparing that result to one where a different testing method is used will not give a true reading of the results or a comparison.
- Operator difference with the results can also cause dissimilar results, as can other factors, if test parameters are not followed.
- Do not take the results of testing from one product and compare to other products unless the tests are done concurrently using the same operator, the same test, and completed on the same day. Otherwise, it could lead to errors in judgment regarding product facts.
- It is good to understand that testing results reference one point in time and the test results may be the same initially, then differ over time in the oral cavity. There may be some additional features or benefits from one material to another, that enhance the value to the dentist and patient, that should be considered.
- Beware of the marketing hype where a manufacturer may use phrases to imply their product is superior, when really it is only different, not necessarily better. One of the most common in use today is calling bonding agents “The II generation or the VI generation.” It may indicate nothing more than a different process, and not necessarily a better result.
- Be sure to read the directions, advantages, product flyers, data comparisons to other products, and testing method, as well as any other pertinent info you can use to fully understand the product and how it will fit into your practice.

Oxford Scientific products are first-class dental materials manufactured in Germany. They have been developed to meet the most stringent needs and requirements of the dental profession.