EndoSequence® BC Sealer™ and Root Repair Material (RRM™)

By BUSA

EndoSequence BC Sealer and Root Repair Material are redefining the way many specialists approach endodontic obturation and root repair procedures. For years scientists and practitioners alike have been in search of the ideal root canal sealing and repair material. Unlike other facets of dentistry, endodontic sealing and repair applications demand the use of a material that is capable of setting in the presence of moisture and that it is antibacterial while also being highly biocompatible. EndoSequence BC Sealer and Root Repair Material meet these basic needs and so much more!

EndoSequence® BC Sealer™

EndoSequence BC Sealer is a revolutionary premixed root canal sealer which utilizes new bioceramic nanotechnology. Unlike conventional base/catalyst sealers, BC Sealer utilizes the moisture naturally present in the dentinal tubules to initiate its setting reaction. The canal should be dried just like you normally would but unlike other sealers the set will not be inhibited by moisture. This highly radiopaque and hydrophilic sealer forms hydroxyapatite upon setting and chemically bonds to both dentin and to our bioceramic points (EndoSequence BC Points™). BC Sealer is anti-bacterial during setting due to its highly alkaline pH (+12) and unlike traditional sealers; BC Sealer exhibits absolutely zero shrinkage and is extremely biocompatible! BC Sealer can either be syringed directly into the coronal 3rd of the canal or delivered via a hand file or point. BC Sealer can be used with cold or heated methods. However, many specialists have come to the conclusion that heat is not necessary with BC Sealer because of its slight expansion (.03%) and its ability to bond to dentin. This truly revolutionary sealer has remarkable healing properties and is designed specifically to be non-resorbable. In the event of a slight overfill (puff) an anti-inflammatory reaction will not occur because the sealer is essentially a root repair material with a flowable viscosity.

EndoSequence® Root Repair Material (RRM™)

EndoSequence® Root Repair Material (RRM™) is available in two specifically formulated consistencies (syringable paste or condensable putty) and contains many of the same characteristics as BC Sealer. Like BC Sealer the setting reaction of RRM is driven by the moisture naturally present within the dentinal tubules so there is no mixing required. The favorable handling properties, increased strength and shortened set time (~1.5-2 hours) make RRM highly resistant to washout and ideal for all root repair and pulp capping procedures. The putty consistency is ideal for retrofills, one step apexifications (apical barrier technique), external resorptions and pulp capping. The syringable version is recommended for retrofills, perforations, internal resorptions and pulp capping. Many specialists employ a retrofill technique which involves syringing some of the flowable RRM into the prep and following it up with pre-formed cones of the RRM Putty. The consistency of RRM Putty is similar to that of Cavit® and it is extremely resistant to washout making it ideal in difficult fields. The unique properties of RRM Putty allow the practitioner to adjust the consistency to their liking. The more you manipulate the material (via kneading it with a sterile instrument within the jar provided) the more flowable it will become. RRM is antibacterial (12+ pH) and is extremely biocompatible and osteogenic. Join the thousands of specialists that have set their spatulas aside and joined the RRM revolution!"