

Root Fill System

The Endo process today can be summarized like this: The tooth becomes infected, the dentist or endodontist determines the root has to be removed.

This involves three basic procedures:

- Removal of the root and sealing of the apical foramen
- Filling of the root canal with Gutta Percha via several techniques
- Finishing the reconstruction of the tooth.

The Oxford Root System virtually eliminates the 2nd step. It also has some beneficial advantages, clinically, time saving and product saving in the first and third steps.

Oxford Root Fill System assists in first step with the more secure sealing of the foramen.

Virtually eliminates the second step and the use of Gutta Percha saving significant time, product expense and inventory.

Assists or insures a better restorative process because the modern type materials used for this process are optimally compatible with standard Endodontic and adhesive restoration procedures and the chemistry of Oxford Root Fill.

Background information: Gutta Percha and how it is used

Gutta percha is a form of rubber or thermoplastic used in many industries including dentistry. Discovered in the 17th century many uses have been found for this naturally occurring thermoplastic. It has been used as a filler for endodontics since the late 19th century.

In the 20th century the process changed very little. Gutta percha points became standard sized and color coded to make easier on the user. Devices were made to heat the gutta percha to reduce the inordinate amount of time needed to fill the canal.

Resins were added to the surface of Gutta Percha to assist in the use of the more modern and effective dental products offered for the next steps but essentially the techniques to use gutta percha to fill the canal using the Plugger, Spreader, or Hot Gutta percha techniques remained the same process and the same products. All of them are time consuming, difficult, less effective, not as synonymous with other steps in the process and more costly.

Gutta Percha shrinks in its natural state and even more when heated so more surface area can be exposed for infections or future problems. Little has been done to improve the Gutta Percha part of the process since the late 1890's.

Oxford Root fill system over time

- Easy, fast and convenient application
- Excellent sealing properties
- Optimal compatible with standard endodontic and adhesive restoration procedures
- Excellent biocompatibility
- Easy revision possible
- Good radiopacity

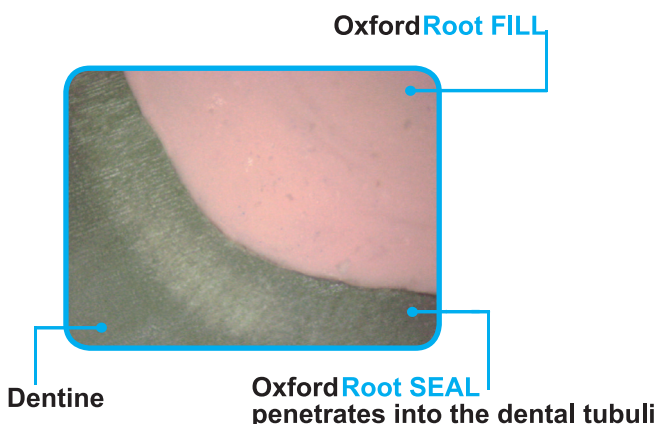
Root Fill System

Oxford Fill System

Oxford Root Fill System is a dual cure flowable root canal system based on several chemistries including methacrylate. Oxford Root fill system is a complete system that can be used to finish the endo filling procedure with or without gutta percha. Eliminating the gutta percha steps saves a significant amount of chair time, reduces or eliminates the dentists use and costs of gutta percha points and at the same time can be used by the endodontist or the GP without changing the initial prep procedure. This saves time with every procedure and increases the work flow, the number of patients and the use of auxiliary personnel more effectively. The system consists of three products. Oxford Root Fill, Oxford Root Prep, Oxford Root Seal.

- **Oxford Root Prep**---A carbamide-peroxide and EDTA containing gel in syringes for use in the effective cleansing of the root canal during the root canal prep. The EDTA chelates calcium salts from the calcified areas within the root canal to facilitate the use of reamers and files. Designed to be used in combination with endodontic sodium-hypochlorite solutions. Due to its effervescent properties it allows for pulp tissue, dentinal shavings and debris to be easily removed, leaving an appropriate internal canal surface for penetration of medicaments used in endodontic therapy and opening dentinal tubules. Prepare the root canal mechanically as you would do in your normal procedure, clean and disinfect, do not use lubricants or irrigates that are not designed for Endo.
- **Oxford Root Fill**---Dual cure root canal filling material which eliminates Gutta Percha saving significant chair time, the cost of the gutta percha, and the time to obturate the canal. Oxford Root Fill shows an excellent radiopacity which makes easy radiological examination possible. In case of revisions of the root canal filling, Oxford Root Fill can be removed easily from the root canal. Light cure Oxford root Fill for 40 seconds full polymerization will occur in 1 to 2 hours, but you can proceed with core buildup or filling with a bonding or composite immediately. Permanent sealing of teeth of the secondary dentition with or without the aid of root canal points. Or use root canal points with the Root Fill. Please note that the most significant feature is that the filler has a controlled expansion which allows it to better fill the root canal than any gutta Percha technique.
- **Oxford Root Seal**---A simple to use self-etching dual cure sealer for conditioning of root canal and for sealing of side tubuli.

Optimal sealing of the root canal



Oxford Root Fill System can be used to replace the following products as well as other component of the endo process.

Oxford Root System replaces the following products:

- AH 26 Dentsply
- AH+ Dentsply
- Epiphany Penton
- EndoRez Ultradent
- Hygienic CRCS Root Canal Sealer
- Roeko Roekoseal Root Canal Sealer Coltene

Oxford Scientific

Root Fill System

Features and Benefits: Oxford Root FILL

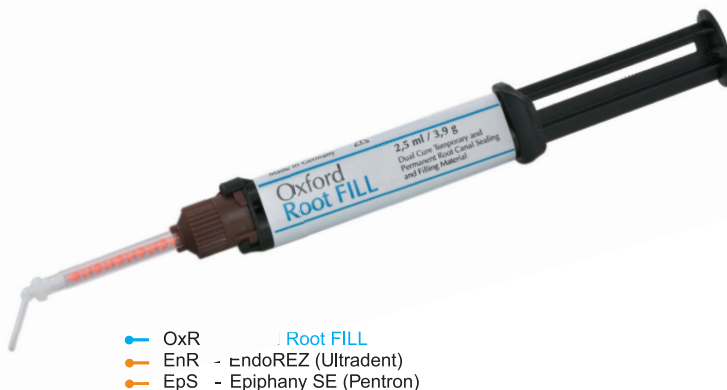
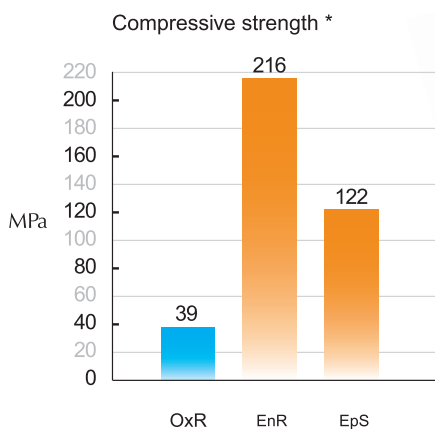
Features

- Perfect handling characteristics
- Compatible with standard restorative procedures
- Adapted material strength
- Hydrophilic material with excellent flowability and controlled expansion
- Bacteriostatic

Benefits

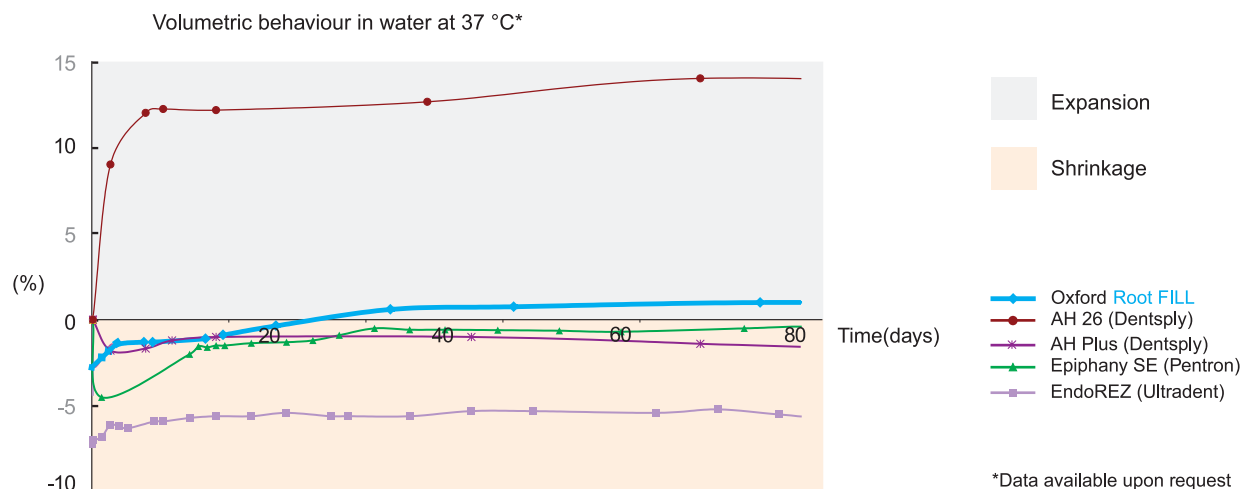
- Optimal viscosity and consistency
- Comfortable working time of 10 minutes
- Dual cure with "command set" possibility
- Use with Guttapercha possible
- Bonds to core build-up composite
- Easy-to-remove
- Excellent sealing and perfect adaptation to canal walls
- Safety for the patient

Oxford Root FILL System: Soft and easy to remove



*Data available upon request

Oxford Root FILL System: Optimal volumetric behaviour for excellent sealing



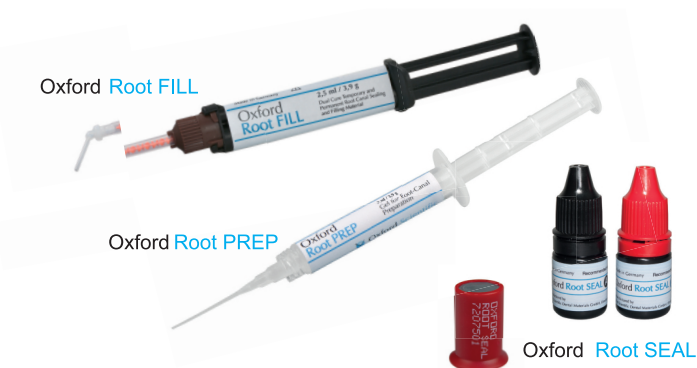
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Oxford Root FILL System: The simplified and efficient root canal treatment

Oxford Root FILL System is a new technology to seal and fill the root canal. It is ideal to continue with resin-based core build-up materials.

Oxford Root SEAL is an easy to apply self etching adhesive.

Oxford Root FILL fills completely the canal and prevents bacteria penetration. It is soft and allows convenient revision of the root canal filling.



Ordering Information

Oxford Root FILL System – Permanent Root Canal sealing and filling Material

Includes: 2,5 ml / 3,9 g Minimix 4:1 Oxford Root FILL | 5 x Oxford Mix TIP(O) | 5 x Oxford Endo TIP
2 x 1 ml bottle Oxford Root SEAL | 5 x mixing pad | 5 x Oxford Endo BRUSH

Part Number	Article
15-002	Oxford Root FILL System
12-007	Oxford Root FILL: 5 ml / 7,8 g Minimix 4 : 1 5 x Oxford Mix TIP(O) 5 x Oxford Endo TIP
22-001	Oxford Root SEAL: 35 x SingleMix à 0,15 ml 35 x Microbrush® peach
22-002	Oxford Root SEAL: 2 x 3 ml bottles 5 x mixing pad 50 x Oxford Endo BRUSH
01-002	50 x Oxford Mix TIP(O) for Minimix 4:1 / 10:1
02-001	100 x Oxford Endo TIP for Minimix
02-002	100 x Oxford Intra Oral TIP for MixTIPs Minimix
03-001	50 x Oxford Endo BRUSH
02-008	50 x Oxford Transparent Luer Lock Cannulas
03-005	50 x Oxford Microbrush® peach

Error and omissions excluded. The Oxford Scientific products are only to be used by dentists and for its intended use.

