

RelyX™ Fiber Post

Glass Fiber Post

Стекловолоконный штифт

Коренови щифтове, амирани със стъклени фибри

Intraradikуларни колички от стъклени влакана

Увреждателни єротиси ѿ ѿгірцасп

Włkady z wiskoem szklanym

Pivoli din fibră de stică

Sklovláknový čap

Zatížiť sú steklenými vlaknen

Kořenový čep zesílený skleněným vláknom

Cam Fiber Post

Klaasfiberlith

Stikla šķiedras tāpa

Stiklo pluoštu sutvīrtītās kāstītis

Склюволовоний штифт

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Інструкції з використання

Návod na použitie

3M Deutschland GmbH

Dental Products

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41453 Neuss - Germany

3M ESPE

Dental Products

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ENGLISH

Product Description

RelyX Fiber Post is a radiopaque, translucent, glass fiber reinforced composite post which is available in four sizes". Suitable drills are available for removal of the root filling and preparation of the root canal; see the table below.

Combination post/drill

Post size/
code

0 White*

1 Yellow*

2 Red*

3 Blue*

Removal of the root filling

Universal
drillUniversal
drillUniversal
drill

Preparation of the root canal

Drill
WhiteDrill
YellowDrill
RedDrill
Blue

Technical data for the posts

Diameter of apical post end (mm)

0.60 0.70 0.80 0.90

Diameter of coronal post end (mm)

1.10 1.30 1.60 1.90

Taper

2.86° (5%) 3.44° (6%) 4.58° (8%) 5.72° (10%)

Length

20 mm 20 mm 20 mm 20 mm

* Not all sizes are available in all countries.

We recommend using a resin cement, e.g., RelyX Unicem for the cementation to the root canal.

For core build-ups we recommend using a 3M ESPE composite indicated for this purpose, e.g., Filtek® Z250. For processing details, please see the corresponding Instructions for Use of the cement and the core build-up.

These Instructions for Use must be kept for reference for the duration of product use.

Indication

• In case of insufficient residual tooth structure (<4 mm) the post is needed to support and secure the coronal restoration.

RelyX Fiber Post may not be used in patients with bruxism or in maxillary anterior with excessive vertical overlap, or if the circular coronal tooth structure is less than 1.5 mm.

Precautionary Measures

• Selection of the correct drill and post size as well as their proper use are the responsibility of the user. The universal drill may be used only to remove the smear layer from the root canal walls or to prepare the root canals. Do not continue to use drills which are dull or damaged.

• If there has been a greater degree of destruction of the tooth, a dentin bond 2 mm in width must be prepared apically of the core build-up which will later be covered by the definitive crown.

Preparatory Measures

• Treat the root canal endodontically as usual (root canal filling with gutta-percha).

• Select the post size and the matching drill as indicated by the X-rays and according to the diameter of the prepared root canal.

• Drill angles must always be used as a system to guarantee the fit (please see color coding) and may not be combined with products from other manufacturers.

• Determine the drilling depth with the help of the X-ray and according to the length of the prepared canal. 4 mm of the root filling must remain apically to the post.

• The post should be stabilized by autoclaving prior to curing.

• Recommended sterilization procedure: steam sterilization with 134°C/273°F, 5 minutes holding period 5 minutes.

• Have a RelyX Unicem Aplicat with an attached RelyX Unicem Aplicat elongation tip or another self-adhesive RelyX composite cement at hand for cementation of the post.

• When other resin cements are used for the adhesive cementing of RelyX Fiber Post, additional preparatory steps or other procedures are required. Please follow the instructions for use from the manufacturer in every case.

• We recommend using a cement.

Prepare the Root Canal and the Post for Cementing

• As is standard when preparing the root canal for the insertion of a glass fiber post, begin by removing the gutta-percha filling with a Gates-Glidden, Pesso, or Largo bur.

• Use the universal bur to remove any residual root filling (1000-2000 rpm); do not exceed 4 mm of the root filling.

• Use the appropriate drill for the post to widen the root canal by approximately 0.5 mm.

• Shorten the length of the post where it is to be cut.

• Do not shorten the post apically by using a diamond disk or a carbide bur.

• Scissors, scalpel or similar tools may not be used; they will crush the post, ruining its structure and stability.

• Plugs of the posts which have been cut may no longer be used.

• Before inserting the post, disinfest it with alcohol and dry it with air free of water and oil.

• As the final step before cementing, clean and disinfect the root canal with a 2.5-5.25% sodium hypochlorite solution (NaOCl).

• We recommend using a cement.

Post the Root Canal and the Post for Cementing

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