Dentapreg® SFU Instructions for use

STABILIZATION SPLINT IN POSTERIOR AREA

1) Measure the required length of the splint by using dental wax, wedjets, dental floss etc.

2) Clean the surface of the teeth, using non-fluoridated prophy paste.

3) Ensure a dry working area using cotton rolls or a rubber dam.

4) Prepare a grove for inserting the Dentapreg® SFU strip with a diamond bur. To achieve the best bond strength, we recommend staying within the enamel and making the margins of the grove beveled.

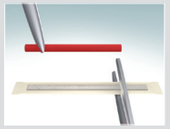
5) Apply orthophosphoric etching gel on the bonding surfaces in the splinted area according to the manufacturer's instructions.

6) Rinse thoroughly and dry.

7) Apply a thin layer of an adhesive system to the etched surface of the teeth.

8) Light cure the adhesive according to the manufacturer's instructions.

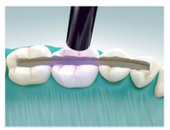
9) Remove the Dentapreg® SFU strip from the blister and cut it with scissors to the required length. Do not touch the unprotected strip with bare hands. The use of powder-free latex or nitrile gloves is recommended. Store the remaining strip in the supplied light protection box and keep it in a dark place, preferably in a refrigerator. In this manner, you can store the strip for up to 4 weeks without its properties deteriorating significantly.



10) Cover the bonding area with a thin layer (approx. 0,5 mm) of C&B composite. DO NOT CURE YET!

11) Remove the protective paper and plastic foil from the strip. Insert it into the uncured composite and adapt it to the teeth. You can use Dentapreg® Fork for easier adaptation.

12) Light cure the adapted Dentapreg® strip for 40 seconds per tooth. You can use Dentapreg® Shield for protecting the rest of the strip while light curing.



13) Cover the entire surface of the splint with C&B composite. The optimal thickness of the composite at the occlusal contact is 2 mm. Remember to keep the interproximal spaces free.

14) Light cure the composite according to the manufacturer's instructions.

15) Remove any excess composite. Adjust the occlusion.

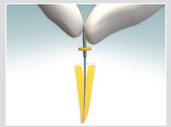
16) Finish the splint surface by polishing it.

17) Finished splint.

Dentapreg® SFU

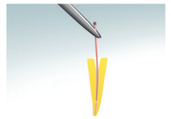
Instructions for use
ANATOMICAL POST

1) Remove the root canal filling material except for the last 3-5 mm of gutta-percha at the apex of the root.

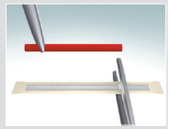


2) Rinse and dry the root canal. Isolate the working area from moisture. The use of a rubber dam is higly recommended.

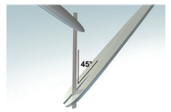
3) Measure the depth of the root canal using a gutta-percha pin or a periodontal probe. Keep in mind the height of the coronal part.



4) Remove the Dentapreg® SFU strip from the blister and cut it with scissors to the required length. Do not touch the unprotected strip with bare hands. The use of powder-free latex or nitrile gloves is recommended. Store the remaining strip in the supplied light protection box and keep it in a dark place, preferably in a refrigerator. In this manner, you can store the strip for up to 4 weeks without its properties deteriorating significantly.



5) Taper the end of the strip with sharp scissors for easier insertion into the root canal.



6) Check the length of the post by inserting the Dentapreg® strip into the root canal. If necessary, shorten the coronal part of the post with scissors.

7) Use a low viscosity dual-curing cement for cementing the post. Prepare the root canal according to the cement manufacturer's instruction before cementation of the post. Fill the root canal with cement using an itraoral tip. Start the filling from the apex part and continue slowly upwards until you fill the whole canal. Do not use a Lentulo Spiral Filler - it accelerates the polymerisation and shortens the working time. Apply a thin layer of the cement on the Dentapreg® strip surface as well.

8) Insert the Dentapreg® strip slowly into the root canal and remove the excess cement.

9) Light cure the post and the cement for at least 40 seconds.

10) Build the coronal part of the tooth from composite material using a preferred method. You can use the Dentapreg® UFM strip for reinforcing the composite crown. It is necessary to place Dentapreg® UFM into the uncured layer of composite, adapt it on the crown core and then light cure it for 40 sec. Use the enamel shade of the composite for the final layer. Light cure it according to the composite manufacturer's instructions. Adjust the occlusion and polish.

Removal of a Dentapreg® Anatomical Post

Use the common procedure for removal of traditional glass fiber posts.

Important

- Dentapreg® strips must always be completely covered with composite material. If the contact points are missing from the splinted teeth, build them up with composite material.
- Point fixation of the reinforcement with the composite material is not sufficient. Attach the Dentapreg® strip along the entire length of the tooth.
- The splint should not interfere with the occlusal contacts.
- The optimal thickness of the layer of composite material between the Dentapreg® strip and the occlusion is 2 mm.
- Use metal instruments such as tweezers or spatulas for adapting the Dentapreg® strips. Sterilize instruments before use.
- Do not use if it is not possible to ensure a dry working field.
- Take care not to damage the reinforcing fibers during the finishing phase.

Basic description:
Dentapreg® SFU is a reinforcement material used in the field of restorative dentistry. It is a formable strip formed by unidirectionally oriented glass fibers, which are impregnated with a light-curable polymer matrix.

Intended uses:
The Dentapreg® SFU medical product is intended for stabilizing the teeth in the posterior section in the event of loosening or the need to fix the teeth in the specified position. The medical product is used to make stabilizing splints in periodontology and traumatology, and to create spacers and post-orthodontic retentions in orthodontics. The medical product can also be used as an anatomical pin in endodontics, i.e., as an element increasing the retention area for anchoring the buildup of the crown part of the tooth.

Contraindication:
In rare cases, the use of Dentapreg® medical products may be associated with an allergic reaction. The use of Dentapreg® medical products is contraindicated in patients with known sensitivity to any of the components contained in Dentapreg® medical products (especially methacrylate monomers and polymers).

Safety measures:
- During application, it is recommended to use powder-free latex or vinyl protective gloves, and to use non-contact techniques.
- Avoid looking directly into the light of the curing lamp, use safety goggles when curing. Also protect the eyes of the patient.
- Avoid contact with eyes, ingestion, and contact with skin and soft tissues.
- In the event of the contact of an uncured strip with soft tissues or skin, gently wipe the affected area with a cotton swab or gauze, and rinse with water. In the event of hypersensitivity (allergic reactions), seek medical advice and refrain from using the product on the given patient in the future.
- Inform the patient about the need to observe hygienic principles.
- Instruct the patient to see a dentist without delay in the event of a functional failure.
- In the event of any serious adverse effects, contact the manufacturer and the relevant regulatory authorities immediately.

Manufactured by
ADM, a.s., U Vodárny 2, 616 00 Brno, Czech Repubic
www.dentapreg.com

The pictogram on the packaging defines the width and structure of the strip

Important notice:
- Do not use the product after the expiration date.
- The product is not intended for multiple use.
- Do not use the product if it becomes contaminated or otherwise damaged while being relocated to the designated place of use.
- Do not use in combination with materials containing eugenol, phenolic substances may affect the curing of the resin matrix.
- Do not use the product if the protective cover is damaged in any way.
- Avoid using direct intense light in the working area, as this could lead to premature curing and loss of application properties.
- Label the product and invalidate by curing before disposal. Ensure the collection of medical waste by a certified company.
- The target group of patients is not limited and corresponds to the prevalence of disability.

Compatibility information
- Adhesive system: use a standard light-curable adhesive system for the adhesive preparation of hard dental tissue surfaces. Follow the manufacturer's instructions for the composite material used.
- Composite material: use a standard light-curable methacrylate-based composite material (universal bulk fill composites, enamel replacement composites, or flowable flow composites) to position and cover the fiber reinforcement. Use low-viscosity dual-setting cement to fix the anatomical pin, and core buildup material to complete the buildup.

Storage:
Dentapreg® products should be stored at temperatures between 4 and 25 °C in undamaged packaging away from direct light sources. Do not expose to temperatures higher than 25 °C for extended periods of time. Do not use after the expiry date stated on the packaging. After opening the blister, unused parts of the strip can be stored in the light protection box included in the packaging. In this packaging, keep the product in the refrigerator at temperatures between 4 and 10 °C, and use it within four weeks.

Additional information:
The product is intended exclusively for use by a dentist (a dental technician may be involved in the preparation of indirectly made replacements). Always use in accordance with the instructions for use and the defined intended uses. ADM, a.s. does not accept liability for damages caused by non-compliance with the prescribed application procedure or use outside the specified indication range. Always familiarize yourself with material safety data sheets available at www.dentapreg.com. They can also be obtained from your supplier.

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