

### Composition

Dentapreg® SFU, SFM, PFU, PFM and UFM Dimethacrylate monomer 40 - 50 wt.% depends on the type of the product. Glass fibers 50 - 60 wt. % depends on the type of the product. Additional contents: catalysts and stabilizers.

### Caution

Federal law restricts this device to sale by or on the order of a dentist or laboratory technician.

### Warnings

Use protective glasses during light curing operation and protect the patient's eyes as well. Do not use Dentapreg® if protective package is damaged. Do not use Dentapreg® after the indicated date of expiration.

### Manufacturer & Importer

#### Manufactured by:

ADM, a.s., U Vodárny 2, Brno 616 00, Czech Republic, [www.dentapreg.com](http://www.dentapreg.com)

Date of revision: July 1st, 2014

### Contraindications

Use of Dentapreg® reinforcements is contraindicated if the patient is known to be allergic to any of the ingredients in Dentapreg® products.

### Recommendations

- We strongly recommend using powder-free latex or nitrile gloves when manipulating with the Dentapreg® strip.
- The Dentapreg® strip must be entirely covered with composite.
- The splint should not interfere with the occlusal contacts.
- The splint should be bonded to the teeth in its entire length, a spot fixation isn't sufficient.
- Build the missing contact points of the splinted teeth from composite.
- We recommend using metal instruments as a pincer and a spatula.
- We recommend using C&B composite for Dentapreg® applications. For provisional or temporary applications you can use flowable composite.

#### Imported by:

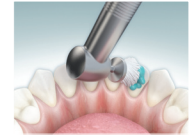
DENTAPREG AMERICA INCORPORATED,  
330 S Pineapple Ave, S-110, Sarasota FL 34236,  
United States of America

### Text

- 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 prophylactic paste.



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



- 4) Isolate interproximal spaces (wedjets, wooden or plastic wedges).



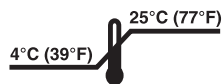
- 5) Slightly prepare the tooth surface with a diamond bur. For short term splints (i.e. trauma splints) the preparation of the surface with a diamond bur is not necessary.



- 6) Apply orthophosphoric etching gel on the tooth surfaces and interproximal spaces in the splinted area according to the manufacturer's instructions.



- 7) Rinse thoroughly and dry.



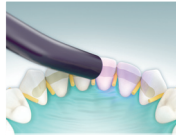
8) Apply a thin layer of an adhesive system to the etched surface of the teeth.



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



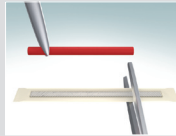
9) Light cure the adhesive according to the manufacturer's instructions.



16) Remove any excess composite.



10) Remove the Dentapreg® SFM 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.



17) Finish the splint surface by polishing.



11) Cover the bonding area with a thin layer (approx. 0.5 mm) of C&B composite. DO NOT LIGHT CURE YET!

For short term splints (ex. trauma splints) you can use flowable composite.



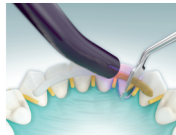
18) Finished splint.



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



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



14) Cover the entire surface of the splint with a layer of either flowable or C&B composite. If the splinted teeth don't have contact points, build them from C&B composite.



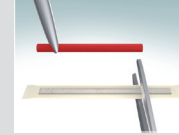
### **Remark to intracoronal splint**

The above mentioned procedure describes the preparation of surface retained splint. For better stabilization of periodontically compromised teeth you can make an intracoronal splint. The procedure is the same as for the surface retained splint except for the preparation of a groove on the teeth to be splinted. The width of the groove must be sufficient for placing the Dentapreg® strip. Keep in mind that the width of the Dentapreg® SFM strip is 2 mm.

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



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.



16) Finish the splint surface by polishing it.



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



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



17) Finished splint.



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

4) Prepare a groove 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 groove beveled.



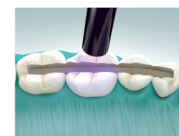
11) Remove the protective paper and plastic foil from the strip. Insert it into the uncured composite and adapt it to the teeth. You can use Dentapreg® Fork for easier adaptation.



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



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.



6) Rinse thoroughly and dry.



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.



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



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



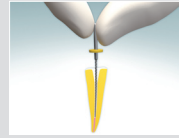
8) Light cure the adhesive according to the manufacturer's instructions.



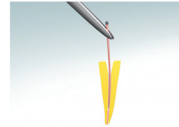
15) Remove any excess composite. Adjust the occlusion.



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

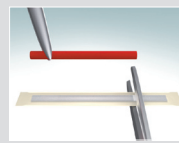


2) Rinse and dry the root canal. Isolate the working area from moisture. The use of a rubber dam is highly recommended.

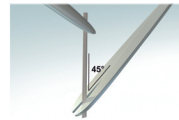


3) Measure the depth of the root canal using a gutta-percha pin or a periodontal probe. Keep in mind the height of the coronal part.

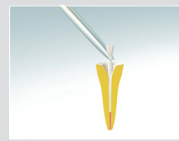
4) Remove the Dentapreg® SFU strip from the blister and cut it with scissors to the required length. Do not touch the unprotected strip with bare hands. The use of powder-free latex or nitrile gloves is recommended. Store the remaining strip in the supplied light protection box and keep it in a dark 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.



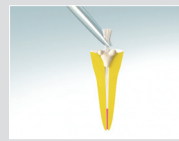
6) Check the length of the post by inserting the Dentapreg® strip into the root canal. If necessary, shorten the coronal part of the post with scissors.



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 intraoral 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.

**Composition**

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**Recommendations**

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- The Dentapreg® strip must be entirely covered with composite.
- The optimal thickness of the veneering composite to be layered on top of the fibre frame at the occlusal contact is 2 mm.
- The splint should not interfere with the occlusal contacts.
- The splint should be bonded to the teeth in its entire length, a spot fixation isn't sufficient.
- Build the missing contact points of the splinted teeth from composite.
- We recommend using of metal instruments as a pincer and a spatula.
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