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

Intended uses:
Dentapreg® PFM is a medial product intended for the production of short and long-term temporaries in the anterior section of the tooth using a direct or indirect method.

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 nitrile 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 Republic
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 t he 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 composites) to position and cover the fiber reinforcement.

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.

ADM, a.s., 08/2024, FORM: 240803, Date of revision: August 2024

Dentapreg® PFM

Instructions for use

ADHESIVE BRIDGE IN ANTERIOR AREA
- direct procedure

1) Clean and prepare the abutment teeth.

2) Measure the required length of the Dentapreg® PFM strip by using dental wax, wedjets, dental floss etc. The strip should cover approx. 2/3 of the abutment teeth's crown.

3) Ensure a dry working area and isolate interproximal spaces. Use of a rubber dam is highly recommended.

4) Slightly prepare the tooth surface with a diamond bur. For long term bridges we recommend making a box preparation on the abutment teeth.

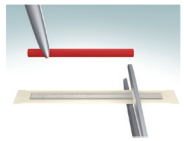
5) Use a matrix or plastic foil to preserve the space for cleaning between the pontic and gingiva.

6) Etch the bonding areas of the abutment teeth with orthophosphoric etching gel according to the manufacturer's instructions.

7) Rinse thoroughly and dry.

8) Apply an adhesive system to the prepared areas and light cure it according to the manufacturer's instructions.

9) Remove the Dentapreg® PFM 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) Apply a thin layer of C&B composite (approx. 0.5 mm) to the bonding areas. DO NOT LIGHT CURE YET!

11) Remove the protective paper and plastic foil from the strip. Insert the strip into the uncured composite and form it to the required position.The strip in the pontic position is designed to go along the middle of the future pontic in the lingual-labial direction. 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 strip with the C&B composite including the interproximal areas and light cure it according to the manufacturer's instructions.

14) Build the pontic by layering the C&B composite according to the manufacturer's instructions. Build the dentine parts of the tooth with dentine shades of composite and form the enamel parts with enamel shades. Remember to keep the cleaning spaces free.

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

16) Finish the bridge, adjust it in the occlusion and polish it.

Remark to indirect procedure

The above mentioned steps describe the chairside procedure. You can work indirectly on the model using the following procedure:

Take an impression of the clinical situation using a silicone impression material and create a stone model. Isolate it. Prepare the bridge on this model. The procedure is the same as the chairside version. Once the bridge is ready, cement it to the prepared teeth using adhesive resin cement. Working on a model is more comfortable and easier than a direct chairside procedure and the final result will be more precise and esthetic.

Important

- Dentapreg® strips must always be completely covered with composite material. If the contact points are missing from the splinted teeth, build them with composite material.
- Anchoring of the bridge should not interfere with the contacts on the incision edges.
- The optimal thickness of the layer of composite material between the Dentapreg® strip and the incision edge is 2 mm.
- To maximize the reinforcing effect, adapt the Dentapreg® strip in the area of the pontic as close as possible to the axis of the incision edge.
- Sufficient room for cleaning must be left in the gingival area and interproximal surfaces.
- 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, consider applying indirect methods when making the bridge.
- Take care not to damage the reinforcing fibers during the finishing phase.