

Biomaterials and Composites Solutions



BIOMATERIALS

- 07 Hemospon Membrane
- 08 Hemospon Heal
- 09 Hemospon Cubo
- 10 Hemospon Cote
- 10 Hemospon Tape
- 11 Hemospon Size
- 12 Hemospon Standard

COMPOSITES

- 15 Hemospon Clip
- 16 Hemospon Clip Flow
- 17 Hemospon Pattern
- 19 Hemospon Pattern Pasta



Maquira: much more than 20 years of history

Maquira was founded 20 years ago, but our story began much earlier. In 1976, before I was even born, my father started selling dental products, so I grew up and worked in the world of dental products. Studying and analyzing market needs and opportunities, in 2000 I started producing what would be Maquira's first product: the retainer case.

Since then, Maquira has grown steadily until we became Maquira Dental Group: a group with four brands and more than 450 products. Our daily commitment is to focus on the essentials: offering a complete portfolio, delivering the best dental solutions and serving all our customers with excellence. We constantly invest in the development of new products, technology and expansion to become the largest company in Latin America in digital solutions, biomaterials and dental consumables.

Inspiring healthy smiles

Our purpose is to inspire healthy smiles. We have in mind what we want to contribute and, to achieve this, the Maquira, Makertech, Hemospon and BM4 brands have complete lines of solutions in consumables, digital dentistry, biomaterials, composites and high esthetics. Maquira Dental Group's manufacturing facilities are always growing so that we can develop and produce innovative products that will meet the growing needs of the market. From accessories to 3D printing, we not only seek innovation, but remain committed to providing safe, effective and high-quality products.



Antonio Leme Junior
Founder and CEO





hemospon[®]

**Dental and
Medical**
Hemostatic
Sponge
Solutions



Hemospon® Membrane

Collagen dental regenerative membrane

Hemospon Membrane is a collagen-derived membrane. It acts as a reinforcement and separation of connective tissue during the healing process. The membrane is sterilized by gamma radiation and intended for single use. It is a biocompatible product composed of 100% collagen. It promotes tissue separation in guided tissue regeneration procedures and guided bone regeneration procedures. This tissue separation assists in the healing process by preventing fast-dividing soft tissues from migrating into slower tissue regeneration areas.

Indication:

- Hemospon Membrane is intended for the treatment of hard and soft tissue defects in oral and maxillofacial surgery. It is designed for the treatment of the following clinical conditions:

- Tissue deficiencies of the alveolar ridge;
- Dentofacial anomalies and malformations.

Available in sizes:

- 20 x 20 mm with a thickness of 1 mm;
- 20 x 30 mm with a thickness of 1 mm.

Excellent surface adhesion, enabling stable work and significant coverage in the applied area.

Excellent absorption, keeping the application area drip-free while molding in the cavity.



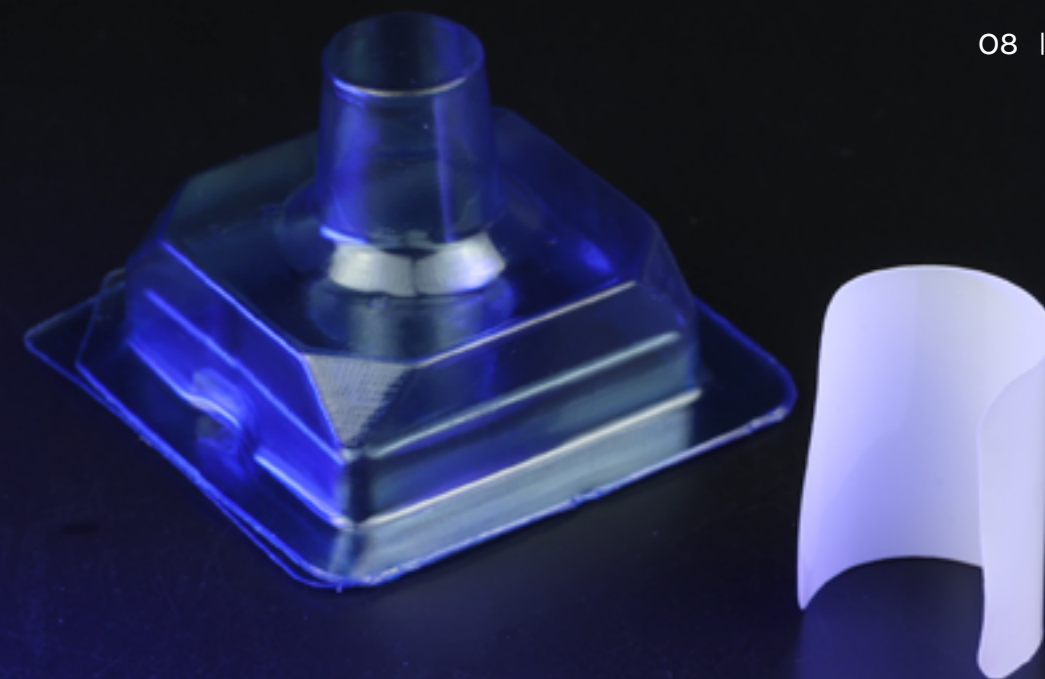
**GET YOUR
MEMBRANES
WITH THE BEST
COST-BENEFIT**

Combo Presentation:

- Packaging containing 5 units.

Conventional Presentation:

- Packaging containing one membrane.



Hemospon® Heal

Polypropylene membrane

Hemospon Heal is a non-resorbable polypropylene membrane for temporary use, indicated to aid in the recovery of bone defects caused by exodontia, injuries, post-exodontia, immediate implants, small bone fenestrations, apicectomies, enucleated cysts and others, providing a favorable environment for the formation of new bone tissue and subsequent rehabilitation.

Indication:

- Hemospon Heal is a non-resorbable membrane indicated to help promote bone tissue regeneration in dental surgeries, providing structural support and stimulating bone growth in compromised areas. Its application is temporary and indicated to aid in the recovery of bone defects caused by exodontia, injuries, post-exodontia, immediate implants, small bone fenestrations, apicectomies, enucleated cysts and others, providing a favorable environment for the formation of new bone tissue and subsequent rehabilitation.

Sterile product, with greater safety after application.

Biocompatible, ideal for all types of implants.

Ensures better patient comfort in the post-operative period.

100% impermeable.

Presentation:

- Packaging containing one membrane measuring 20 x 30 mm.



Hemospon[®] Cube

Lyophilized Gelatin Hemostatic Sponge

Hemospon[®] is a lyophilized gelatin hemostatic sponge. Hemospon[®] has a healing hemostatic action and is completely absorbable by the body in approximately 2 to 8 weeks. Hemospon[®] is non-toxic and pyrogen-free, ready for use. It is packed in individual blisters, and the product is presented sterile, being sterilized by gamma radiation.

- Indication:**
- Acts in clot maintenance in the surgical region and filling the spaces generated in conventional dental extractions, removal of included or impacted teeth, removal of cysts and tumors, biopsies, etc.

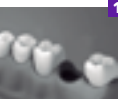
Produced with 100% lyophilized porcine collagen

Absorbs 40-50 times its own weight in whole blood


Stabilizes the clot in the alveolus

Facilitates visualization of the surgical field

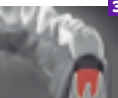
- Presentations:**
- Hemospon[®] Cube 1,0 x 1,0 x 1,0 cm – 10 or 40 units




1 Conventional molar extraction



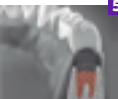
2 After extraction, Hemospon[®] should be cut to the desired size




3 Bleeding surface



4 Compress Hemospon[®] on the bleeding area. Keep the sponge in place until hemostasis is achieved (10 to 15 seconds)



5 Once the bleeding has stopped, the fragments can be removed, replaced or left in place until completely absorbed



6 Close (suture) the surgical wound



Hemospon[®] Cote and Tape

Hemospon[®] is a lyophilized gelatin hemostatic sponge. Hemospon[®] has a healing hemostatic action and is completely absorbable by the body in approximately 2 to 8 weeks. Hemospon[®] is non-toxic and pyrogen-free, ready for use. It is packed in individual blisters, and the product is presented sterile, being sterilized by gamma radiation.

- Indication:**
- Protection of wounds produced during dental procedures, such as periodontal surgeries, closure of graft donor areas (palatal donors), stabilization of particulate bone grafts and in maxillary sinus surgery (Schneider membrane lifting/repair).

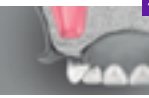
Produced with 100% lyophilized porcine collagen

Stabilizes the clot in the alveolus


Absorbs 40-50 times its own weight in whole blood

- Presentations:**
- Hemospon[®] Cote – 2,0 x 4,0 cm – 1 unit
 - Hemospon[®] Tape – 2,5 x 7,5 cm – 1 unit


Hemospon[®] TAPE




1 Exposure of the maxillary sinus



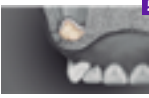
2 Opening to access the Schneider membrane



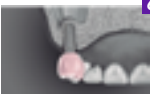
3 Hemospon[®] adaptation for membrane elevation and protection



4 Filling the cavity with bone graft

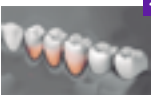


5 Closure (suturing) of the surgical wound. Hemospon[®] Tape is completely reabsorbed by the body

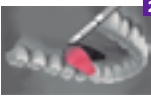


6 Insertion of the implant after the bone tissue rehabilitation period


Hemospon[®] COTE




1 Region 44 to 46 with gum recession



2 Free gingival graft from the palate

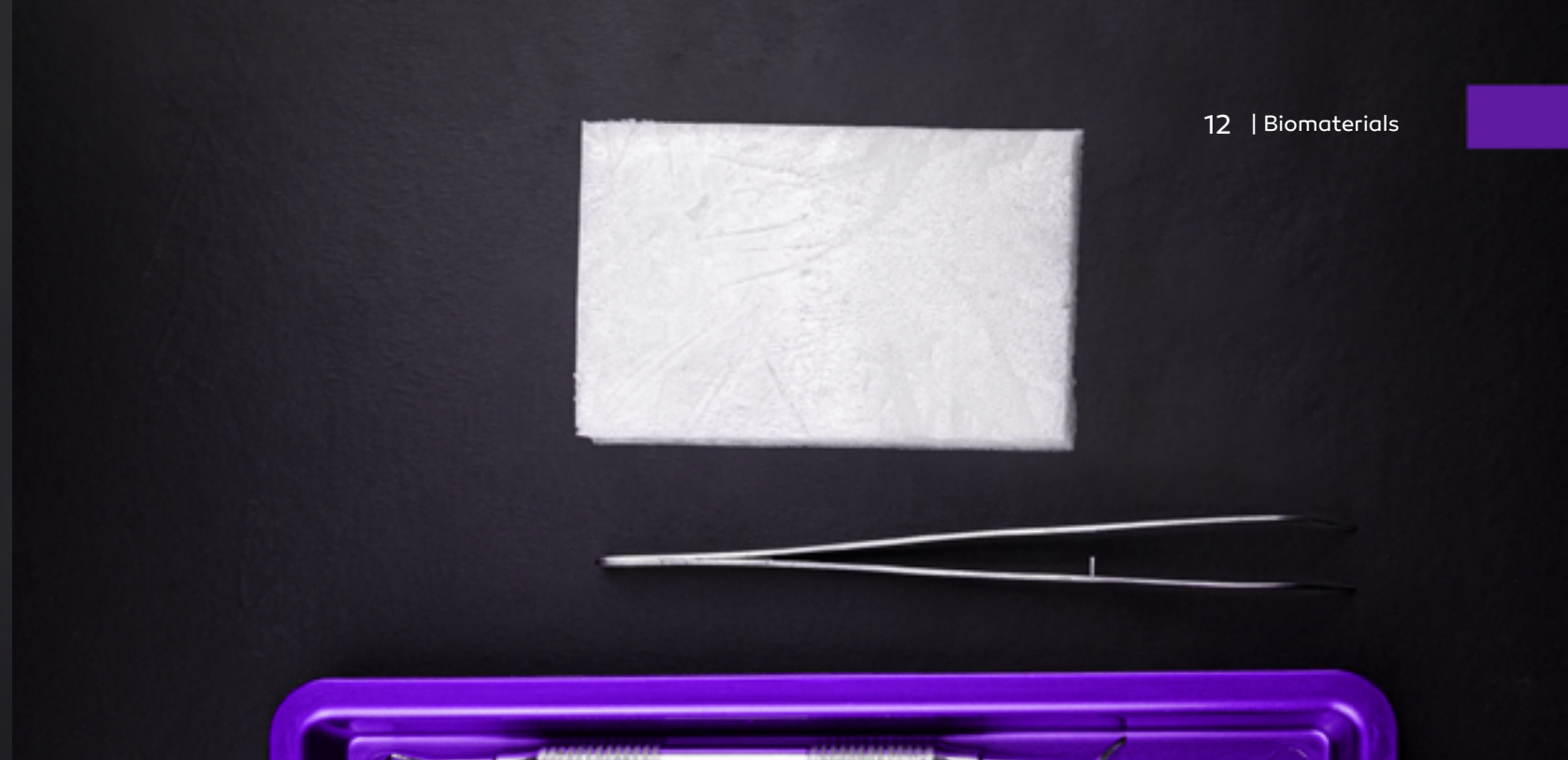


3 Gentle adaptation of Hemospon[®] Cote to the graft donor area



4 Aspect of the area that received the graft





Hemospon[®] Size

Hemospon[®] is a lyophilized gelatin hemostatic sponge. Hemospon has a healing hemostatic action and is completely absorbable by the body in approximately 2 to 8 weeks. Hemospon[®] is non-toxic and pyrogen-free, ready for use. It is packed in individual blisters, and the product is presented sterile, being sterilized by gamma radiation.

Indication:

- Product indicated for hospital use or specialized outpatient use. It aims to obtain local hemostasis and help heal in general surgical procedures, such as the removal of cysts and tumor biopsies, among others.

Size Dimension:



Protection of the surgical wound

Hemostatic and healing action

Available in dimension:
Size: 12.5 x 8.0 x 1.0 cm

Stabilizes the clot in the alveolus

Presentation:

- Hemospon[®] Size – 1 unit

ANVISA REG. No: 80322400100



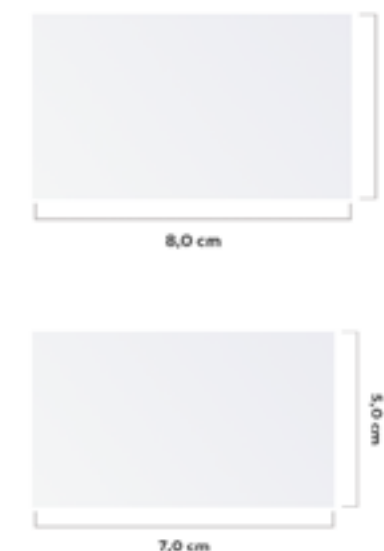
Hemospon[®] Standard

Hemospon[®] is a lyophilized gelatin hemostatic sponge. Hemospon[®] has a healing hemostatic action and is completely absorbable by the body in approximately 2 to 8 weeks. Hemospon[®] is non-toxic and pyrogen-free, ready for use. It is packed in individual blisters, and the product is presented sterile, being sterilized by gamma radiation.

Indication:

- Product indicated for hospital use or specialized outpatient use. It aims to obtain local hemostasis and help heal in general surgical procedures, such as the removal of cysts and tumor biopsies, among others.

Standard Dimension:



Protection of the surgical wound

Hemostatic and healing action

Available dimensions:
• 7.0 x 5.0 x 1.0 cm
• 8.0 x 5.0 x 1.0 cm

Stabilizes the clot in the alveolus

Presentations:

- Hemospon[®] Standard 70 and 80

ANVISA REG. No: 80322400100





hemospin[®]

Composites
Solutions

Hemospon® Clip

Light-cured flexible provisional restorative

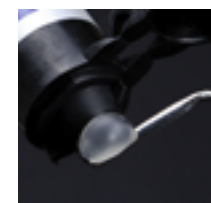
Hemospon® Clip is an easy-to-apply, light-cured flexible provisional restorative. It is a transparent colored product in a 4 g mono-component syringe, which is easy to handle, apply, and ready for use. After polymerization, the resin has an elastic characteristic and is easy to remove.

Indications:

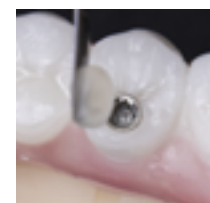
- Temporary restoration in endodontics, prosthetics, and dentistry to temporarily seal the pulp cavity;
- Temporary sealing of screws on implants;
- Confection of a matrix for occlusal sculpture of posterior teeth restored with composite resins (due to its easy removal);
- Temporary treatment in the onlay and inlay techniques.

Presentation:

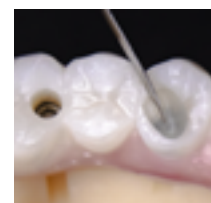
- 1 Syringe with 4 g



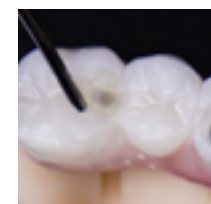
Step 01
Start treatment with Hemospon® Clip



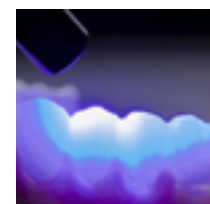
Step 02
Implant screw exposed



Step 03
Applying Hemospon® Clip to the 1st implant screw



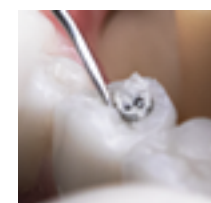
Step 04
Application to the 2nd implant screw



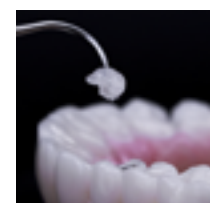
Step 05
Light curing for 40 seconds



Step 06
Final appearance after light curing



Step 07
Easy removal of Hemospon® Clip



Hemospon® Clip Flow

Flow-type flexible light-curing provisional restorative

Hemospon® Clip Flow is a light-cured, easy-to-apply, fluid composite temporary restorative. It is a transparent colored product in a single-component syringe that is easy to handle, apply, and ready to use. The product does not damage the preparation margins and is elastic after photoactivation.

Indications:

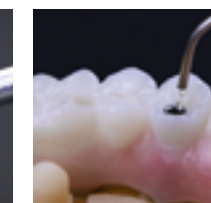
- Temporary restoration in endodontics, prosthetics, and dentistry to temporarily seal the pulp cavity;
- Temporary sealing of screws on implants;
- Confection of matrix for occlusal sculpture of posterior teeth restored with composite resins (due to its easy removal);
- Temporary treatment in the onlay and inlay techniques;
- Fixation of plastic matrices in restoration procedures.

Presentation:

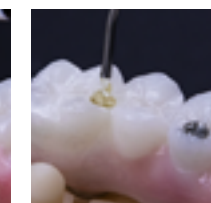
- 1 Syringe with 2 g and 5 tips



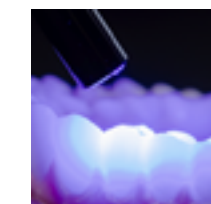
Step 01
Attach the tip to Hemospon® Clip Flow



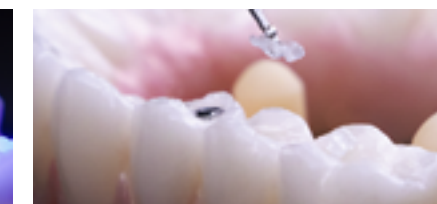
Step 02
Application to the 1st implant screw



Step 03
Application to the 2nd implant screw

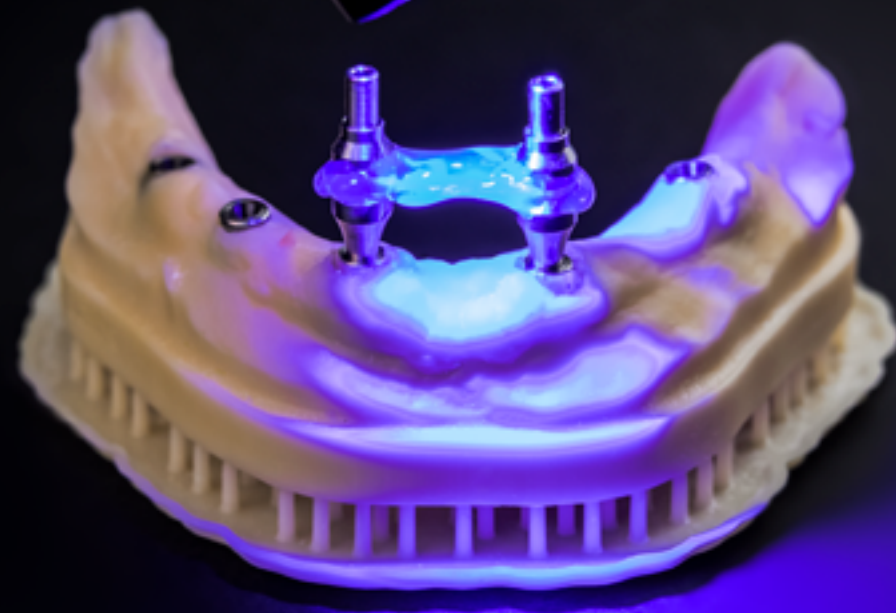


Step 04
Light curing for 40 seconds



Step 05
Easy removal





Hemospon[®] Pattern Photo Gel

Resin for ferulization

Product based on monomers and fillers used in wound dressing procedures. It is ideal for clinical work because it allows a quick application of the product in the region to be worked on. Hemospon[®] Pattern Photo Gel has a thixotropic consistency, enabling pattern carving without runoff and loss of material.

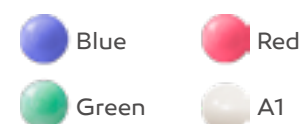
Indication:

- Hemospon[®] Pattern Photo Gel is indicated for transfers over two or more implants and is intended for use by dental surgeons and prosthetics.

Ideal thixotropic consistency, allowing patterns to be sculpted without runoff and loss of material.

**Light curing
40 seconds***
**(Using a blue light device of at least 1200 mW/cm²).*

Available colors:



Presentation:

- 1 Syringe with 3 g and 3 tips

Step by step 1 (with guide)



Prepare the guide with dental floss



Apply Hemospon[®] Pattern resin around the first transfer



Light-cure in position



Apply Hemospon[®] Pattern resin around the second transfer



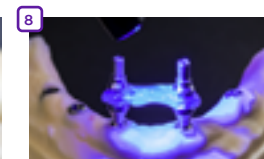
Light-cure in position



Connect the two transfers with Hemospon[®] Pattern by depositing the material on the floss



Transfer ligaments with Hemospon[®] Pattern finished



Light-cure the material scanning

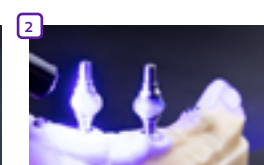


Final aspect of the procedure

Step by step 2 (without a guide)*



Apply the material around the transfers



Light-cure in position



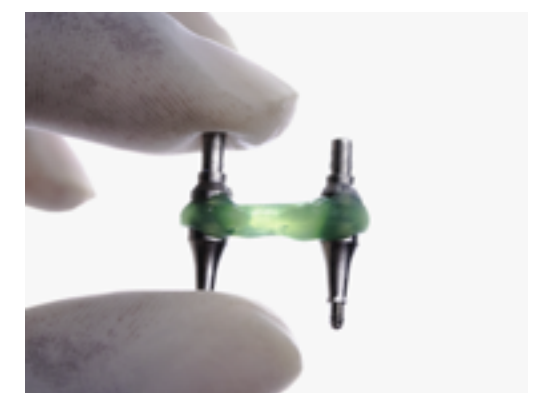
Start of the process of connecting the transfers with light-curing resin increments in scanning mode



End of the process of connecting the transfers with light-curing resin increments in scanning mode



Light-cure the material scanning



Final aspect of the procedure
*If there is a long distance between the instruments, a floss guide is recommended.

Hemospon[®] Pattern Paste

Light-curing resin in universal molding paste

Product based on monomers and fillers used in ferulization procedures. Ideal for clinical work, as it has plasticity and density when applied to the working area. Hemospon Pattern Paste has a paste-like consistency, making it possible to sculpt patterns according to the needs of the case. In addition, the paste presentation makes it possible to apply large quantities depending on the clinical case.


Indication:


- Hemospon Pattern Paste is indicated for the ferulization of impression transfers on two or more implants and is intended for use by dental surgeons and prosthetic technicians. Due to its consistency, the paste version facilitates sculpting and modeling in techniques that require the application of large quantities. Its indications include:
 - Relief;
 - Molding shells;
 - Fixing fixed prosthesis elements;
 - Occlusal registration;
 - Attachment;
 - Jig;
 - Protocol bars;
 - Ceramic protocol structure.


Ideal thixotropic consistency, allowing patterns to be sculpted without runoff and loss of material.


**Light curing
40 seconds***
**(Using a blue light device of at least 1200 mW/cm²).*

Available colors:

 Blue

 Red

 Green

 A1

Presentation:

- 1 Syringe with 3 g

Step by step (ferulizing transfers)



Application of Hemospon Pattern Photo Gel



Hemospon Pattern Photo Gel fixation



Hemospon Pattern Paste color selection



Hemospon Pattern Paste modeling



Hemospon Pattern Paste Sculpture



Visualizing the application



Photoactivation



Final aspect of the procedure

Step by step (Occlusion)



Hemospon Pattern Paste color selection



Product handling



Product handling



Positioning of the material



Occlusion process



Photoactive scanning of the material



Final aspect of the procedure