

# IMPRELON® S pd

## Processing Information

- Description:** IMPRELON® S pd that is available in the thicknesses as listed below is a high quality pressure moulding material made of an innovative copolyester, an extremely break- and abrasion-resistant, crystal clear resin. IMPRELON® S pd has been tested according to the international guidelines ISO 10993 and EN ISO 7405. Predrying of IMPRELON® S pd is not required, as the material is already predried and individually vacuum sealed for instant use. Please see also our Safety Notes below.
- Indication:** IMPRELON® S pd is indicated for all applications in splint therapy, especially for the fabrication of an OSAMU-Retainer® (in combination with OSAMU-Bond) and retention splints.
- Contraindication:** Splint adjustments using acrylate are not indicated, as they might lead to brittleness and might affect the breaking resistance of the splint.
- Preparing the model:** Once the trimmed model has been measured, block-out undercuts beneath the tooth equator as well as the area of the papillae using BLUE-BLOKKER® or SIL-KITT. This ensures a good friction and helps to prevent stress cracks when inserting the splint. When there are no undercuts in the area of the molars, friction of the splint can be increased by slightly grinding the molars from the distal side. This may help preventing a slight bouncing effect, depending on the extension of the dental arc and the individual situation.
- Isolating the model:** We recommend using ISOFOLAN® foil (REF 3207) for the isolation of plaster models. The thin foil (0.1 mm) provides a smooth surface on the model and enables easy removing and inserting the splint. At the same time, transferring of plaster abrasion wear to the inner side of the splint can be prevented. The trimmed model is to be placed on the model platform. After pressurising, cut off ISOFOLAN® at the model base with a scalpel. Small interdental incisions will help to enhance adaptation and friction of the splint. In order to avoid air inclusions some perforations should also be made from the palatal side. For 3D-models generated with the DLP method, using ISOFOLAN® or a similar unperforated protective foil is mandatory, in order to prevent transferring monomer residues to the splint that might lead to damages.
- Pressure moulding:** When embedding the model in the pellets after insulation with ISOFOLAN®, make sure that approx. 5 mm of the gingiva margin are visible. In order to prevent pellets from sticking to the material, we recommend using the pellet cover, which is available in two sizes (REF 3006 large/REF 3007 small).
- OSAMU-Retainer®:** The OSAMU-Retainer® has been developed by Dr. Osamu Yoshii, Tokyo, as treatment concept for the retention phase. After more than 2 years of clinical tests, the retainer has been in successful clinical application for many years. The retainer is fabricated individually for upper and lower jaw of a combination of highest quality pressure moulding materials, soft BIOPLAST® (1.5 mm) and hard-elastic IMPRELON® S pd (0.75 mm). The horse-shoe shaped material covers only the dental arch as well as parts of the mucosa in the apical area. Only slight elevations of occlusion can be realised by the splints. The soft BIOPLAST® covers the tooth body to the alveolar area, whereas the hard-elastic IMPRELON® precisely covers the occlusal surfaces. These advantages in terms of form and function of the OSAMU-Retainer® guarantee high retention results. Other advantages are outstanding esthetics by absolute transparency as well as easy and efficient fabrication ([www.scheu-dental.com/en/service](http://www.scheu-dental.com/en/service)).
- Finishing:** We recommend using the finishing set (REF 3378). The splint can be cut roughly with the HM Carbide Cutter (REF 3369) or the Cutting Bur (REF 3214). The Tricutter, fine (REF 3370) is best suited for interdental finishing, while the POLYFIX disc, brown (REF 3371) or the OSAMU-polisher (REF 3247) are suitable for polishing. We recommend using the DIMO®, DIMO®PRO discs (REF 3380-3384) for polishing and smoothing hard/soft material and for finishing the soft parts of the splint. Please make sure there are no sharp edges left on the arcade shaped splint margin in order to prevent predetermined breaking points.
- Cleaning/care:** CETRON® powder from our CETRON® product range is the best choice for daily cleaning and care.
- Safety notes:** Please make sure to open only externally undamaged and tightly closed barrier bags. IMPRELON® S pd shall be processed within 15 minutes after opening the barrier bag to avoid the formation of bubbles during processing due to absorption of air moisture. Make sure to use an unperforated protective foil such as ISOFOLAN® (REF 3207) when using 3D-printed models.

### Delivery program:

IMPRELON® S pd 125 mm ○					
IMPRELON® S pd	0.5	x 125 mm	REF 3320	IMPRELON® S pd	1.5 x 125 mm REF 3326
IMPRELON® S pd	0.75	x 125 mm	REF 3322	IMPRELON® S pd	2.0 x 125 mm REF 3328
IMPRELON® S pd	1.0	x 125 mm	REF 3324	IMPRELON® S pd	3.0 x 125 mm REF 3330

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