

# DURASOFT® seal

## Processing Information

- Description:** DURASOFT® seal is a high quality thermoforming material fabricated in a special extrusion process. DURASOFT® seal consists of hard thermoplastic polyurethane (TPU). The material has been tested and approved in terms of cell biology.
- Indication:** DURASOFT® seal is specifically intended for lamination with DURASOFT® to avoid discolorations of DURASOFT® splints. DURASOFT® seal gives the splints a thin, stable and discoloration-resistant lining on the inside, protecting the soft side of the DURASOFT®. Thanks to the thin layer thickness of DURASOFT® seal, the splints retain their pleasant, soft feel. When processed correctly, separation of the two materials is impossible.
- Contraindication:** When used as single foil, DURASOFT® seal is not suitable for splint production. DURASOFT® seal is an accessory product that is exclusively indicated for the lamination process with DURASOFT®.
- Intolerances:** DURASOFT® seal is not suitable for patients with intolerance to thermoplastic polyurethane.
- Insulating the model:** Insulate the plaster model with ISOFOLAN® first. Cut the ISOFOLAN® foil and insert interdental/occlusal air extraction holes using a probe/scalpel. For 3D-printed models, the use of a non-perforated protective film such as ISOFOLAN® (REF 3207) is mandatory.
- Pressure moulding:** Embed the insulated model in the pellets and thermoform DURASOFT® seal. Cut the moulded DURASOFT® seal using SD foil scissors to the required splint extension and perforate the area beneath the interdental papilla with a scalpel. Ensure no perforations within the area of the splint extension are made, as this might affect the protective effect of DURASOFT® seal. In the next step, embed the model once again in the pellets and heat DURASOFT® in the required thickness before thermoforming it over DURASOFT® seal. Thanks to heat and pressure, the soft side of DURASOFT® and DURASOFT® seal laminate, forming an inseparable bond.
- Adjusting:** If you intend to make an occlusal adjustment to your splint, you can build-up the splint using cold cure resin, e.g. DURASPLINT®. The splint is not yet finished completely to avoid thermal tensions/stress. Apply two layers of DURASPLINT® monomer (REF 3259) to the occlusal surface. Then apply the pre-mixed DURASPLINT® resin to the still moist monomer. Proceed with polymerisation according to the manufacturer's instructions. Remove and finish the splint only once polymerization is completed.
- Finishing:** We recommend using the finishing set (REF 3378): Use the HM-Carbide cutter (REF 3369) or cutting bur (REF 3214) for coarse cutting the splint. The HM-Tricutter fine (REF 3370) is best suited for fine interdental finishing. Final finishing work and polishing can be most effectively done using POLYFIX black (REF 3371) or the OSAMU polisher (REF 3247). DIMO® and DIMO®PRO discs (REF 3380-3384) as well as DIMO® PRO SLIM discs (REF 3376) are ideally suited for polishing and smoothing hard/soft material transitions and for finishing soft splints parts.
- Cleaning/Care:** Please instruct your patients on careful care and cleaning of the splint. We recommend daily cleaning using CETRON® Cleaning powder. Alternatively, splints can be cleaned with toothbrush, toothpaste and clear water. Ensure not to use cleaning agents containing colorants to avoid any modifications or staining. Make sure not to use steam blasting and ultrasonic devices, denture cleaner and cleaning methods with a cleaning temperature exceeding 45°C. Due to contact with individual oral environment, lack of hygiene, strongly aromatic food and beverages such as nicotine, coffee, tea, coke and pharmaceuticals, splints may change their color, taste and smell. Likewise, aromatic hydrocarbons such as benzene, aliphatic alcohols, toluene, ethanol, acetone, etc. shall not be used for cleaning. Some plant-based products for the temporary treatment of painful and inflammatory conditions of the oral mucosa, especially vesicles, as well as for the supportive symptomatic treatment of gingivitis, can also lead to severe discoloration, swelling or destruction of the acrylics and shall be avoided at all costs (for ex. PYRALVEX®). Discoloration can also occur with interactions of dental filling materials or dentures (amalgam, chrome-cobalt-molybdenum, precious metal-reduced alloys). Please contact your dentist immediately in case of any modification of your splint.
- Note:** Serious incidents in connection with the use of the product shall be reported immediately to the manufacturer and the competent authority.
- All instructions on the processing of our materials – in oral, written or practical form – are given to the best of our knowledge and must be read as references. Use and processing take place beyond our control and are subject to the responsibility of the user.

### Delivery program:

DURASOFT® seal	10 pcs.
<b>Description</b>	<b>125 mm Ø</b>
DURASOFT® seal (clear)	REF 3338.1
DURASOFT® seal (blue)	REF 3339.1
DURASOFT® seal (magenta)	REF 3337.1

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