

**Description:**

DURASOFT® seal is a high-quality thermoforming material made from durable thermoplastic polyurethane (TPU) using a specialized extrusion process. The material meets the requirements regarding biocompatibility for medical devices.

This product is specifically designed for lamination with DURASOFT® to minimize discoloration of DURASOFT® splints. DURASOFT® seal provides a thin, stable, and discoloration-resistant lining on the inside of the splint, effectively protecting the soft side of the DURASOFT®.

Thanks to its thin layer, DURASOFT® seal maintains the splint's pleasant, soft feel.

DURASOFT® seal is not suitable for use as a standalone foil to produce functional splints. It is intended solely as an accessory for lamination with DURASOFT®.

**Insulate the model:**

Cover the model with ISOFOLAN® foil, ensuring it is well-trimmed. Create interdental and occlusal air extraction holes using a probe or scalpel. For 3D-printed models, using a non-perforated protective foil, such as ISOFOLAN® (REF 3207), is mandatory.

**Thermoforming:**

Place the insulated model into the granulate and coat it with DURASOFT® seal. Refer to the packaging label for the specific code and heating time for DURASOFT® seal. Use SD foil scissors to trim the DURASOFT® seal foil until the splint expands. Carefully perforate the area below the interdental papillae with a scalpel. Avoid making incisions in the splint expansion area to maintain the protective integrity of the DURASOFT® seal foil. Heat a DURASOFT® foil of the desired thickness. Deep-draw the DURASOFT® foil over the DURASOFT® Seal foil using heat and pressure. This process creates a strong, inseparable bond between the DURASOFT® and DURASOFT® seal layers.

**Adjustment:**

If adjustments are necessary, the deep-drawn splints can be modified using DURASPLINT®. To prevent thermal tensions and ensure a proper fit, do not finalize the thermoformed splint at this stage. Treat the occlusal surface twice with DURASPLINT® monomer (REF 3259) to ensure proper adhesion. While the monomer is still moist, apply the mixed DURASPLINT® autopolymer to the surface. Follow the manufacturer's instructions for polymerization. Only after polymerization is complete should the splint be lifted off and finalized.

**Finishing:**

We recommend the finishing set (REF 3378) for finishing. The splint can be roughly separated from the model with a HM Carbide cutter (REF 3369) or cutting bur (REF 3214). The finer finishing – particularly in the interdental space – is done with the fine tricutter (REF 3370). Both Polyfix in brown (REF 3371) and OSAMU polishers (REF 3247) have proven themselves for the final processing and polish stage. To polish and smooth of hard/soft material transitions as well as rework of the soft splint parts, the DIMO®, DIMO® PRO (REF 3380-3384) and DIMO® PRO SLIM (REF 3376) trimming wheels are perfect.

**Cleaning/care:**

Daily cleaning with CETRON® cleaning powder is recommended. Alternatively, the splint can be cleaned with toothpaste, a toothbrush and clear water. To avoid changes and discolouration, cleaning agents containing dyes should not be used. Steam jets, ultrasonic devices, denture cleaners and cleaning procedures that exceed 45° C should be avoided. Individual oral environments, poor hygiene, strongly flavoured foods and drinks (nicotine, coffee, tea, cola, etc.) and medication can lead to taste and odour impairments. Likewise, ethanol, acetone etc. must not be used for cleaning. Some plant-based products for the temporary treatment of painful and inflammatory conditions of the oral mucosa, in particular vesicles, as well as for the supportive symptomatic treatment of gingivitis can also lead to severe discolouration, swelling or destruction of plastics and must be avoided at all costs (e.g. PYRALVEX®). Discolouration can also occur with interactions of dental filling materials or dental prostheses (amalgam, chromium-cobalt-molybdenum, precious metal-reduced alloys). Please contact your dentist immediately in the event of any changes to your splint.

**Storage:**

The DURASOFT® seal foil should be stored in its original packaging, protected from moisture and direct sunlight.

You can find the complete range of materials at: [www.scheu-dental.com/pressure-moulding-material](http://www.scheu-dental.com/pressure-moulding-material).

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