EN | Instructions for use

CA® Foil/CA® Foil+

thermoforming material

Description: CA® Foil is a clear transparent, viscous and abrasion-resistant PETG thermoforming material with exceptional properties in terms of tensile strength, elasticity and dimensional stability. The material meets the requirements regarding biocompatibility for medical devices.

Intended purpose: Thermoplastic foils for the manufacture of appliances and splints for dental and orthodontic treatment.

Indication: Suitable only for the fabrication of aligner splints (for correcting tooth and jaw misalignments) and expansion aligners. Hints for patients can be found at www.scheu-dental.com/pressure-moulding-material.

Contraindication: Allergic reactions to components of CA® Foil (PETG) cannot be ruled out in sensitised people. Not indicated in cases of poor oral hygiene, active periodontal disease, acute intraoral inflammatory processes, or tumorous changes. Any use not stated above is contraindicated.

Patient target groups: Adults, adolescents. It is recommended that vulnerable patient groups undergo regular dental checkups to detect any changes in the oral mucosa or periodontal tissue at an early stage.

Clinical benefit: Correction of teeth or jaw malocclusions.

Users: Trained professionals in the dental field (dental technician, dentist, orthodontist, dental assistant)

Storage: Store at 5 °C to 35 °C. Protect from sunlight. Keep dry.

Important: For single use. Not suitable for partial build-up with light-curing resins. Any serious incident involving the product must be reported to the manufacturer and the competent authority immediately!

Safety information: The practitioner is responsible for correct use. The splint must not be used if the material is cracked/broken/contains bubbles; there is a risk of swallowing or aspiration. When using CA Foil with 3D-printed models, a non-perforated protective foil (ISOFOLAN®) must be used. Remove the protective foil after the thermoforming process. Do not bring the products into contact with alcohol-based/organic solvents, hot water or steam jets.

Processing information

Preparation of the model: If there are any prominent undercuts, they should be blocked out below the equatorial line of the tooth along with the papillae, either digitally or prior to the thermoforming process, using BLUE-BLOKKER® (REF 5276) or SIL-KITT (REF 3442/3443) so that the splint then displays good friction but does not bulge excessively during insertion.

Thermoforming: Round CA® foil can be processed in SCHEU-DENTAL pressure moulding machines (BIOSTAR® and MINISTAR S®). For best aesthetic results the imprint of the foil should be placed on the molar teeth. Please insert the foil with the imprint parallel to the swivel axis of the pressure chamber and the front teeth on the model pointing in the direction of the locking shaft. Full models should always be thermoformed in pellets and dental arches on the model platform. CA® foils can be heated quickly, as stated on the packaging label and the foil imprint. Depending on the model size, the original thickness of the foils reduces during thermoforming.“

Finishing: The CA® Foil can be shaped easily with SD foil scissors A (REF 3460). Final processing and polishing are done with the DIMO®/DIMO® PRO trimming wheels (REF 3380-3384/3376). Self-curing resins (e.g. BIOCRYL®-RESIN REF 3218/3221) can be used for bonding and building up the model. It is not necessary to abrade the splint.

Cleaning/care: Daily cleaning with CETRON® powder (REF 3237/3239) from our CETRON® range is recommended. The splint can also be cleaned using a denture brush and water. To avoid any changes, discoloration or damage to the splint, do not use cleaning products that contain oxidizing agents (active oxygen, chlorine, etc.). Organic solvents such as ethanol, acetone, etc., are also unsuitable for cleaning. Avoid cleaning the teeth or splint with toothpaste or mouthwash containing anionic surfactants such as sodium lauryl sulphate. The material is sensitive to temperature and must not come into contact with boiling water or hot beverages such as coffee or tea. As the user, please inform the patient about proper care of the splint.

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

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