

Processing information

- Description:** The multilayer CA[®] Pro+ material consists of abrasion-resistant copolyester material as well as thermoplastic elastomer. Thanks to these components the material shows excellent properties in terms of breaking strength, elasticity, resilience and dimensional stability. Moreover, the selected material components are highly biocompatible. The material has been tested and approved for its biological safety. Due to its hygroscopic property, the material is pre-dried in a gentle process and individually sealed in barrier bags. Please see also our Safety notes below.
- Indication:** CA[®] Pro+ is destined for the fabrication of splints and aligners for the correction of malocclusion. Its optimal initial force level and excellent resilience properties make CA[®] Pro+ ideal for applications in modern orthodontic treatment.
- Contraindication:** CA[®] Pro+ is not indicated for splint adjustments, for orthodontic treatment of periodontally damaged teeth and/or implants and after molar distalisation.
- Intolerances:** The product shall not be used in case of known intolerance to polyethylene terephthalate and acetaldehyde as well as thermoplastic polyurethane.
- Pressure moulding:** For optimum ease of processing and an aesthetically smooth, easy-to-clean inside of the splint, CA[®] Pro+ comes with a thin protection foil that must be removed after thermoforming. Full models should be embedded in the pellets and dental arcade models should be placed on the model platform. When using an average-sized model and embedding the model according to the manufacturer's instruction, the initial thickness of CA[®] Pro+ will be slightly reduced. As you can see from the packaging labels and the imprint directly on the material, the heating times of CA[®] Pro+ are quite short. When processing the material, the temperature range must be between 150° C and 175° C.
- Finishing:** CA[®] Pro+ can be easily cut using SD-Foil scissors A (REF 3460). For finishing and polishing, DIMO[®]PRO discs (REF 3381), the BIOPERM[®] Trimmer (REF 3226) as well as the SD-Polishing mop for high gloss with mandrel (REF 3714) are ideally suited.
- Cleaning/care:** Daily cleaning with CETRON[®] powder from our CETRON[®] programme is recommended. In order to avoid modifications, discolouration or damages to your splint, make sure not to use any cleaning agents with oxidizing agents such as active oxygen, chlorine or similar. Moreover, please ensure not to use organic solvents, such as alcohol, acetone etc. for cleaning. Some herbal-based products for the temporary treatment of painful and inflammatory conditions of the oral mucosa, especially vesicles, and for the supportive symptomatic treatment of gingivitis (for ex. Pyralvex[®]) should be avoided at all costs. In addition, steam cleaners, ultrasonic devices, denture cleaners and cleaning procedures that exceed 45°C shall not be used.
- Hint:** When using 3D printed resin models, the models should be blocked-out using for example light-curing blocking-out and modelling putty BLUE-BLOKKER[®] (REF 5276), in case the software used does not allow for complete virtual blocking-out. Serious incidents in connection with the use of the product shall be reported immediately to the manufacturer and the competent authority.
- Safety notes:** **Please make sure to open only externally undamaged and tightly closed barrier bags. CA[®] Pro+ must be processed within 15 minutes after opening the barrier bag to avoid the formation of bubbles during processing due to absorption of air moisture. The processing temperature of CA[®] Pro+ is 155°C. The maximum temperature of 175°C shall not be exceeded. Please note that the display of the SCHEU-DENTAL pressure moulding devices shows the temperature of the radiator; the actual material temperature is lower and time-dependent.**
- 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:

| CA [®] Pro+ (comes with protection foil) | | 10 pcs. | 10 pcs. |
|---|-----------|----------|----------|
| Description | Thickness | 125 mm Ø | 120 mm Ø |
| CA [®] Pro+ | 0.5 mm | REF 3644 | REF 0891 |
| CA [®] Pro+ | 0.625 mm | REF 3645 | REF 0892 |
| CA [®] Pro+ | 0.75 mm | REF 3646 | REF 0893 |

Further products of the CA[®] assortment:

| CA [®] Pro (comes without protection foil) | | 10 pcs. |
|---|-----------|----------|
| Description | Thickness | 125 mm Ø |
| CA [®] Pro | 0.5 mm | REF 3640 |
| CA [®] Pro | 0.625 mm | REF 3641 |
| CA [®] Pro | 0.75 mm | REF 3642 |

