

# CA<sup>®</sup> Pro and CA<sup>®</sup> Pro+

The most enduring Clear Aligner material, ever

Standard, single-layer materials have a number of drawbacks. They start off strong, often exerting an uncomfortable amount of pressure for the patient.

Yet this pressure is lost far too soon in the treatment process, rendering the aligners ineffective and in need of regular replacement.

### Stronger for longer

The new CA<sup>®</sup> Pro and CA<sup>®</sup> Pro+ from SCHEU-DENTAL are setting new standards in Clear Aligner treatment.

This powerful thermoforming material has a flexible elastomer core, encased in a durable double shell, ensuring continuous pressure over a much longer period. By starting with a lower initial force and maintaining a relatively constant pressure level over the treatment period, the patient benefits from a gentler and more effective tooth movement with far more comfort.

### Benefits of CA<sup>®</sup> Pro

- Continuous force transmission
- Minimal loss of pressure over the treatment period
- Gentle, initial force leading to high levels of patient comfort
- High elasticity and break resistance thanks to the flexible elastomer layer

The material is available in 2 formats. CA<sup>®</sup> Pro blanks are recommended for use with Isofolan<sup>®</sup>. CA<sup>®</sup> Pro+ has a built in spacer foil.



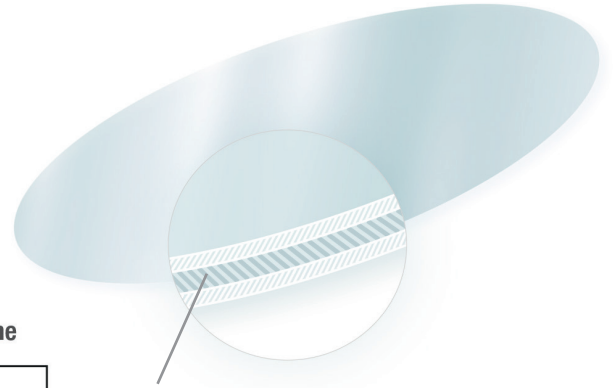
CA <sup>®</sup> Pro	0.5 mm	125 mm	3640 10 pieces
CA <sup>®</sup> Pro	0.625 mm	125mm	3641 10 pieces
CA <sup>®</sup> Pro	0.75 mm	125mm	3642 10 pieces

CA <sup>®</sup> Pro+	0.5 mm	120 mm	0891.1 10 pieces
CA <sup>®</sup> Pro+	0.5 mm	125 mm	3644 10 pieces
CA <sup>®</sup> Pro+	0.625 mm	120 mm	0892.1 10 pieces
CA <sup>®</sup> Pro+	0.625 mm	125mm	3645 10 pieces
CA <sup>®</sup> Pro+	0.75 mm	120 mm	0893.1 10 pieces
CA <sup>®</sup> Pro+	0.75 mm	125mm	3646 10 pieces

## How effective is CA<sup>®</sup> Pro?

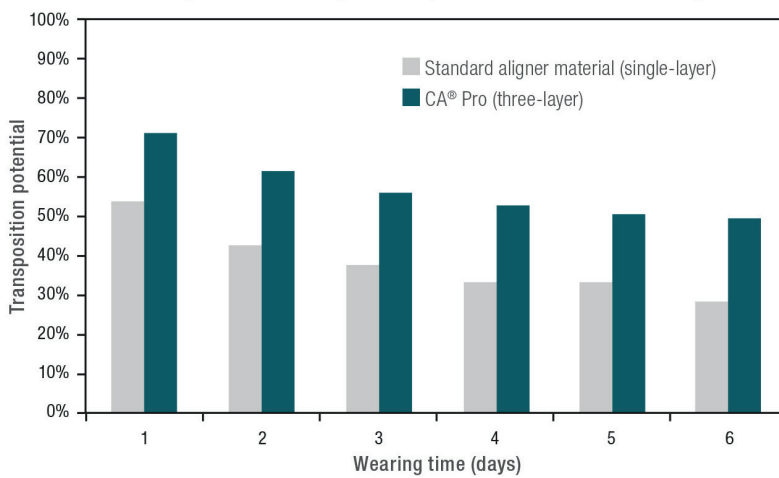
The graphs below show the effectiveness of this material over time, compared to standard, single layer aligner material.

### Performance over time

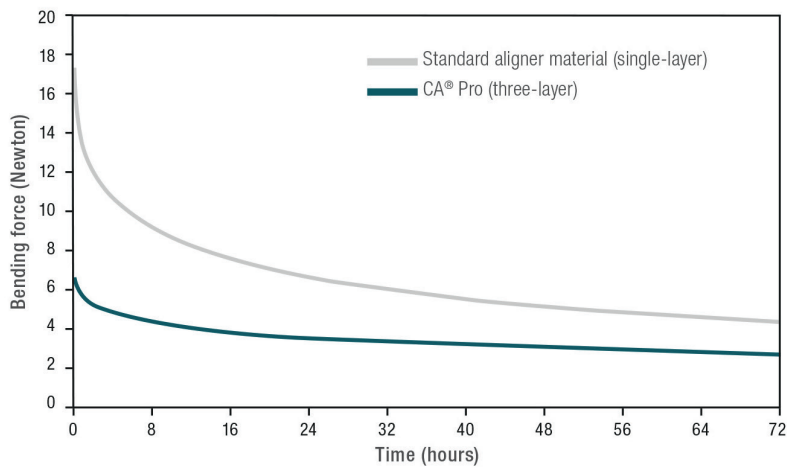


**CA<sup>®</sup> Pro**  
 Innovative double shell construction with elastomer core.  
 Constant force level, less initial force.

Development of transposition potential over the wearing time



Loss of power



CA<sup>®</sup> Pro administers a steady initial force which maintains a constant level over time.

## CA<sup>®</sup> Pro technical information

**Description:** CA<sup>®</sup> Pro is highly biocompatible and has been tested and approved in accordance with international standards ISO 10993 and ISO 7405.

**Delivery:** The material is pre-dried and individually sealed in barrier bags. The material can be used immediately after opening the barrier bag and should then be processed within one hour, in order to avoid the formation of bubbles during processing due to absorption of air moisture.

**Indication:** CA<sup>®</sup> Pro is designed for the fabrication of splints and aligners for the correction of malocclusion. Its optimal initial force level and excellent resilience properties make CA<sup>®</sup> Pro ideal for short-term applications in modern orthodontic treatment.

**Preparation:** For ease of processing and an aesthetically smooth, easy-to-clean finish, the use of ISOFOLAN<sup>®</sup> foil is recommended for model isolation.

**Pressure moulding:** Full models isolated with ISOFOLAN<sup>®</sup> should always be embedded in the pellets whereas shallower horseshoe models should be placed on the model platform. For aesthetic reasons, the logo should be positioned in the area of the molars.

Fix the material in a BIOSTAR<sup>®</sup> or MINISTAR S<sup>®</sup> pressure moulding device with the logo parallel to the swivel axis of the pressure chamber and the frontal teeth on the model facing the locking shaft. When using an average-sized model and embedding the model according to the manufacturer's instruction, the initial thickness of CA<sup>®</sup> 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<sup>®</sup> Pro are quite short.

**Finishing:** CA<sup>®</sup> Pro can be easily cut using SD-Foil scissors A. For finishing and polishing, DIMO<sup>®</sup> PRO discs, the BIOPERM<sup>®</sup> Trimmer as well as the SD-Polishing mop for high gloss with mandrel are ideal.

**Cleaning/care:** Products from the CETRON<sup>®</sup> range are the best choice for daily cleaning and care.

**Hint:** When using 3D printed resin models, the models should be blocked-out using BLUE-BLOKKER<sup>®</sup> in case the software used does not allow for complete virtual blocking-out.

**Contraindications:** Not recommended for bonding to acrylic.

