

# DuploCOLL® CPT 500 F

Art. No. 11 01 97

**Pressure-sensitive adhesive film made of pure acrylic for lasting, transparent adhesive bonding**

## Product construction

	Name	Colour	Thickness [mm]
<b>Liner</b>	Polyethylene film	white	approx. 0,11 – 0,13
<b>Adhesive</b>	Pure acrylic		approx. 0,48 – 0,52
<b>Total thickness:</b>			approx. 0,59 – 0,65

## Product advantages

- Clear bond due to highly transparent adhesive formulation: the light refraction index of DuploCOLL® CPT 500 F is similar to that of glass.
- High stretchable and at the same time a high inner strength give DuploCOLL® CPT 500 F an excellent resiliency within the bond
- Good initial tack, lasting ultimate bonding strength
- Good sealing, absorbing and insulating properties
- Excellent stress-absorber
- Highly split-resistant
- Resistant to chemicals and softeners
- Suitable for long-term use, resistant to ageing and UV radiation
- Available as perfectly fitting die-cut parts in many shapes, versions and different sizes

## Main application fields

- Bonds where maximum transparency is of central importance, for example in shower cubicles made of glass, at solar collectors and for illuminated advertising signs.
- Metal-glass-connections in facade construction and apparatus engineering, as well as in the furniture industry.
- Invisible bonding of different materials such as wood, aluminium, plastics, ceramics and glass.

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## Specific technical data\*

<b>Temperature range</b>	-40 °C to +150 °C** (up to +200 °C at short term)
<b>90° roll peel strength test on steel in accordance with DIN EN 1464 after 10 minutes storage at +23 °C +/- 2 °C</b>	40 N/25 mm
<b>90° roll peel strength test on glass in accordance with DIN EN 1464 after 24 hours storage at +23 °C +/- 2 °C</b>	40 N/25 mm
<b>Light transmission</b>	> 80 % in the visible light scope

\* Specific test results, statistically not approved.

\*\* Reached temperature in a rising heat test according to the internal test method PM-211 following DIN EN 1943 at 0,5 kg strength, beginning at 30 °C, increasing of temperature every 30 minutes by 10 °C.

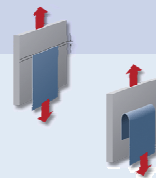
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## Technical Data

<b>Shear strength</b>	on steel according to DIN EN 1943, edition 1996, at +23 °C +/- 2°C	60 N/625 mm <sup>2</sup>
<b>Peel strength</b>	on steel according to DIN EN 1939, edition 1996, at +23 °C +/- 2°C	115 N/25 mm



## Application

**Recommended application temperature** 18 °C to 35 °C

**Application guidelines** [www.lohmann-tapes.com](http://www.lohmann-tapes.com)

## Storage

Adhesive tapes should be stored at room temperature and normal humidity (50-70 %).

The storage stability is two year after delivery.

## Product presentation

Converted product	Rolls	Spools
<b>Width [mm]</b>	≥ 6	
<b>Length [m]</b>	65	
<b>Max. log width: 430 mm</b>	Other dimensions, die-cuts and sheets on request.	

For mechanical mounting of this adhesive tape we also offer a wide range of application devices.

The physical characteristics contained in our data sheets represent typical or average values. They do not represent any warranties or guarantees and must not be used for technical specification purposes. All application related statements, information and recommendations herein are given to the best of our knowledge and practical experience. The buyer is responsible for determining the suitability of the specific tape for its intended use in connection with user's method of application. Please consult our Technical Applications Department for specific advice. Our general Term and Conditions of Sale apply, particularly with regard to warranty and liability.

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[www.lohmann-tapes.com](http://www.lohmann-tapes.com)

Concerning product safety (confirmation, conformity to guidelines, REACH, etc.) please use the following  
 E-mail address: [product.safety@lohmann-tapes.com](mailto:product.safety@lohmann-tapes.com)

 **Lohmann**  
 The Bonding Engineers.