

# DuploCOLL® 5122

Double sided adhesive mounting tape with low temperature resistance acrylic adhesive and flexible foam carrier

## Product construction

	Name	Colour	Thickness [mm]
Liner	Polyethylene film	yellow	approx. 0,10
Adhesive covered side	Modified acrylic		
Carrier	Polyethylene foam	white	approx. 2,00
Adhesive open side	Modified acrylic		
<b>Total thickness:</b>			approx. 2,10

## Product advantages

- The adhesive is distinguished by its excellent to cold. Thus the application of DuploCOLL®5122 is possible even at low temperatures
- Good initial and final adhesion
- High shear strength
- Good ageing resistance and extensive resistance to the influence of chemicals (domestic cleaning and polishing agents)
- The combination of a modified acrylic adhesive and a compressible polyethylene foam guarantees a very good bonding on rough and uneven surfaces.
- DuploCOLL®5122 is tested in accordance with the ift directive MO/01-1

## Main application fields

- Mounting of building profiles (e.g. plaster profiles)
- Making extruded plastic profiles self-adhesive
- Used for door and window applications

## Product features

## Applicability on

Initial adhesion	● ● ●	Foam	● ○ ○
Final adhesion	● ● ○	Rubber	● ○ ○
Dimensional stability	● ○ ○	Fabric	● ● ○
Adhesion on even surfaces	● ● ●	Glass/Ceramics	● ● ●
Adhesion on rough surfaces	● ● ●	Wood	● ● ●
Ageing resistance	● ● ○	High energy plastics: PVC, PC, ABS,...	● ● ●
Weathering resistance	● ● ○	Low energy plastics: PE, PP,...	● ● ○
Chemical resistance	● ● ○	Metal	● ● ●
Resistance to plasticizers	● ● ○	Paper/Cardboard	● ● ●

● ● ● very suitable    ● ● ○ suitable    ● ○ ○ suitable with reductions    ○ ○ ○ not suitable

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## Specific technical data\*

**Temperature range** -40 °C to +100 °C

**Temperature range in a rising heat test** -40 °C to +100 °C\*\*

DuploCOLL®5122 has a  $\mu$ -value of 11000.

This is consistent with a Sd-value of 88,0m at a tape width of 8mm and a Sd-value of 132,0m at a tape width of 12mm.

\* Specific test results, statistically not approved.

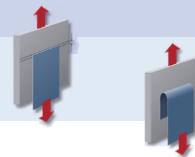
\*\* Reached temperature in a rising heat test.

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## Technical Data

<b>Shear strength</b>	on stainless steel at +23 °C +/- 2°C	30 N/625 mm <sup>2</sup>
<b>Peel strength 180°</b>	on stainless steel at +23 °C +/- 2°C	30 N/25 mm



## Application

<b>Recommended application temperature</b>	18 °C to 35 °C
<b>Application guidelines</b>	<a href="http://www.lohmann-tapes.com">www.lohmann-tapes.com</a>

## Storage

Adhesive tapes should be stored at room temperature and normal humidity (50-70 %).  
The storage stability is one year after delivery.

## Product presentation

<b>Converted product</b>	Rolls	Spools
<b>Width [mm]</b>	> 6	on request
<b>Length [m]</b>	25	
<b>Max. log width: 1260 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.

## IMPORTANT NOTE

The physical characteristics contained in this data sheet represent typical or average values. All application related statements, information and recommendations herein are given to the best of our knowledge and practical experience. Many factors beyond our control and uniquely within buyer's knowledge and control can affect the use and performance of our tape in a particular application. EXCEPT AS EXPRESSIVELY AGREED IN WRITING WE DO NOT TAKE OVER ANY WARRANTY OR LIABILITY FOR THE SUITABILITY OR USABILITY OF OUR TAPES FOR CERTAIN PURPOSES AND APPLICATIONS RESULTING FROM BUYER'S SPECIAL USAGE OF THE TAPES. EXCEPT WHERE PROVIDED BY MANDATORY LEGAL PROVISIONS, WE WILL NOT BE LIABLE FOR ANY DIRECT OR INDIRECT MATERIAL OR IMMATERIAL LOSSES OR DAMAGES ARISING FROM THE USAGE OR APPLICATION OF OUR TAPES. Solely the buyer is responsible for determining the suitability of the specific tape for its use in connection with his method of application. Please consult our Technical Applications Department for specific advice.

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 **Lohmann**  
The Bonding Engineers