

DuploCOLL® 5123

Art. No. 11 00 89

Double-sided adhesive mounting tape with low temperature resistant acrylic adhesive and foam carrier

Product construction			
	Name	Colour	Thickness [mm]
Liner	Polyethylene paper	white	approx. 0,15
Adhesive covered side	Modified acrylic		
Carrier	Polyethylene foam	white	approx. 2,0
Adhesive open side	Modified acrylic		
Total thickness:			approx. 2,2

Product advantages

- The adhesive is distinguished by its excellent cold shock resistance. Thus the application of DuploCOLL® 5123 is possible even at very low temperatures.
- Good initial and final adhesion
- High shear strength
- Good ageing resistance and extensive resistance to the influence of chemicals (domestic cleaning materials and polishing agents).
- The combination of a modified acrylic adhesive and a compressible polyethylene foam guarantees very good bonding even on rough and uneven surfaces.
- DuploCOLL® 5123 is tested 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 +90 °C
Temperature range in a rising heat test	-40 °C to +110°C**
Cold shock resistance	No loss of adhesion at -10 °C
DuploCOLL® 5123 has a μ -value of 11000.	
This is consistent with a Sd-value of 88,0 m at a tape width of 8mm and a Sd-value of 132,0 m at a tape width of 12 mm.	

* Specific test results, statistically not approved.

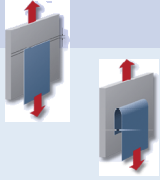
** Reached temperature in a rising heat test according to the internal test method PM-211 following DIN EN 1943 at 0,5 kg strength, beginning at 30 °C, increasing of temperature every 30 minutes by 10 °C

*** The data and results given relate solely to the described, tested object. Weathering and ageing phenomena have not been considered.

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Technical Data			
Shear strength	on steel according to DIN EN 1943, edition 1996, at +23 °C +/- 2°C	30 N/625 mm²	
Peel strength	on steel according to DIN EN 1939, edition 1996, at +23 °C +/- 2°C	18 N/25 mm	

Application

Recommended application temperature	18 °C to 35 °C
Application guidelines	www.lohmann-tapes.com

Storage

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

Product presentation

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