

DuploCOLL® 9183

Double-sided adhesive foam tape for mounting and permanent fastening on virtually all smooth and slightly uneven surfaces

Product construction

	Name	Colour	Thickness [mm]
Liner	Polyethylene paper	white	approx. 0,15
Adhesive covered side	Pure acrylic		
Carrier	Polyethylene foam	anthracite	approx. 1,00
Adhesive open side	Pure acrylic		
Total thickness:			approx. 1,15

Product advantages

- Maximum resistance to ageing, UV-radiation, weathering and plasticizers
- The foam carrier keeps a permanent elasticity
- The high initial adhesion (tack) offers a reliable bond immediately after application. Maximum final adhesion is reached after approx. 24 hours
- DuploCOLL® 9183 absorbs vibration and compensates for different expansions coefficients of the substrates that are joined
- DuploCOLL® 9183 is recommended by manufacturers of glass and plastic mirrors on account of inert behavior in contact with a wide variety of mirror paints

Main application fields

- Mounting mirrors in the manufacture of bedroom, living room, bathroom and hall furniture
- Mounting of PVC stay bars
- Mounting of small devices and hooks on tiles and smooth walls
- Mounting of cable channels

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

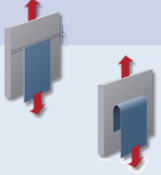
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Specific technical data*

Temperature range	-40 °C to +95 °C
Temperature range in a rising heat test	-40 °C to +110 °C**
Certified and recognized according to UL 746C 	

Technical Data

Shear strength	on steel according to DIN EN 1943, edition 1996, at +23 °C +/- 2°C	40 N/625 mm ²	
Peel strength	on steel according to DIN EN 1939, edition 1996, at +23 °C +/- 2°C	23 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 two years after delivery.

Product presentation

Converted product	Rolls		Spools		
Width [mm]	> 6	> 9	6-25		
Length [m]	50	50/100	on request		
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.

* 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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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 GmbH & Co. KG
Irlicher Strasse 55
56567 Neuwied
Germany
Phone: + 49 (0) 26 31 34 - 0
Fax: + 49 (0) 26 31 34 - 6661
E-mail: info@lohmann-tapes.com

For further information
www.lohmann-tapes.com

