

# DuploCOLL® 918

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 | blue   | approx. 0,15   |
| Adhesive covered side   | Pure acrylic       |        |                |
| Carrier                 | Polyethylene foam  | white  | approx. 1,00   |
| Adhesive open side      | Pure acrylic       |        |                |
| <b>Total thickness:</b> |                    |        | approx. 1,15   |

## Product advantages

- Maximum resistance to ageing, UV-radiation, weathering and plasticizers.
- The foam carrier does not turn yellow and 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® 918 absorbs vibration and compensates for different expansion coefficients of the substrates that are joined.
- DuploCOLL® 918 is recommended by manufacturers of glass and plastic mirrors on account of its 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      | ○ ○ ○ | Lacquer                                | ● ● ● |
| 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

\* 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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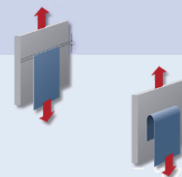
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## Specific technical data\*

|   |                   |
|---|-------------------|
| Temperature range                       | -40 °C to +95 °C  |
| Temperature range in a rising heat test | -40 °C to +110 °C |

## Technical Data

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

## Product presentation

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

## 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](mailto:info@lohmann-tapes.com)

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

