

Professional Series

VELCRO® Brand Extreme Strength Fastener

VEL-LOC®/Loop 001



VELCRO® Brand VEL-LOC® (Mushroom) & Loop Closure, Medium profile for indoor use.

Adhesive designed for a wide number of substrates such as aluminum, stainless steel, glass, plywood and polyester. Adhesive is not suitable for polyethylene, polypropylene or Vinyl-PVC.

Medium adhesive temperature resistance - Extreme tack adhesion.

- **Width:** 50mm
- **Length:** 5, 25 meters
- **Colour:** Black
- **Material:** Polyester, Polypropylene & Polyamide
- **Adhesive temperature ranges:** -15°C to +90°C

For Applications where low cycling is required.

ADHESIVE SUBSTRATE COMPATIBILITY

Aluminium Adonized	✓
Glass	✓
Painted Wallboard	✓
Plywood	✓
Polyester	✓
Polyethylene	✓
Polypropylene	✓
Stainless Steel	✓
Vinyl	✗
Formica (Polished Side)	✓
Cardboard	✓
Polyacrylic	✓
Fabrics	✓

✓ Recommended ✓ Good ✗ Not Recommended

Part Numbers

- VEL-PS20012 = 50mm wide Black – 5 meters
- VEL-PS20011 = 50mm wide Black – 25 meters



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TYPICAL SYSTEM PERFORMANCE

The following information should be considered typical and is intended to be used as a reference only. This information should not be used for specification purposes. Suitable performance for the specific intended application should be evaluated by the user.

Unless Otherwise stated tests were performed under controlled nominal laboratory conditions of 23°C (72°F) and 50% Relative Humidity. General Storage conditions: 18 - 24°C (65-75°F) with Relative Humidity of 40 to 65%.

PERFORMANCE CHARACTERISTICS

	Fastener	VELCRO® Brand VEL-LOC® (Mushroom) / Loop 001
	Closure Peel Strength	Avg. = 24 N/cm
	Closure Shear Strength	Avg. = 115 N/cm ²
	Tensile Disengagement	Avg. = 11 N/cm ²
	Cycle Life	Low

* Average based on recorded values. The specifications are for reference.

ATTACHMENT TECHNIQUE

Adhesive PS51 should be applied with even pressure, ensuring good contact is made with the substrate. As with all VELCRO® Brand adhesives, the substrate must be free of grease, moisture, dust, silicones, etc. and should be cleaned with alcohol and fully dried prior to application of the adhesive.

CHARACTERISTICS

Shelf Life: Adhesive PS51 has a shelf life of 3 years from the production date. Keep cool, dry and protect from sunlight. For performance characteristics of the adhesive, refer to the PS 51 technical data sheet.

SPECIAL CHARACTERISTICS



Outdoor use

Polyester is a material that offers good resistance to UV rays, while polypropylene and polyamide has a tendency to degrade and have low resistance to UV rays. As a result, the **VELCRO® Brand VEL-LOC® (Mushroom) & Loop closure** is not recommended for outdoor use and for direct, prolonged exposure to UV light.



Resistance to solvents

The polyamide, polyester and polypropylene used in these fastening systems are resistant to cleaning with solvents or dry cleaning (e.g. tetrachloroethylene) and to accidental exposure to the most common solvents, but it is not resistant to prolonged exposure and its resistance to fluids used for transport, such as gasoline, motor oil and transmission fluids, has not been tested. We recommend testing the product for its specific application.



Fire resistance

VELCRO® Brand VEL-LOC® (Mushroom) & Loop Closure does not have a flame-retardant treatment, so their use in applications that require limited flame propagation is not recommended.



Water/Moisture resistance

VELCRO® Brand VEL-LOC® (Mushroom) & Loop Closure can lose its properties if it comes in contact with water, and thus washing the material is not recommended.



Electrostatic discharge

VELCRO® Brand VEL-LOC® (Mushroom) & Loop Closure has not been tested for electrostatic discharge after opening and closing the fastener. These products must first be tested in applications where electrostatic discharge is a concern.

REGULATORY ELEMENTS

For product declarations of conformity on regulatory elements and additional information, contact productcompliance_emea@velcro.com.

PRODUCT USE

The information, statements and comments contained within this document are based on our experience and testing and are believed to be accurate. However, because there are many factors involved in specific applications that can impact end use and performance, product users should always test the product for its ability to meet the requirements of their specific use and method of application.

LIMITED WARRANTY

Velcro Companies^(*) warrants that all of its products will substantially comply with its written specifications at the time of shipment. ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY DISCLAIMED. The product user is responsible for determining whether the product is fit and suitable for the intended application. If the product does not meet specifications as warranted, we will, at our option, repair or replace the product, or credit or refund the purchase price. The foregoing constitutes the user's sole remedy and our sole obligation hereunder.

(*) Velcro Companies includes all the partner companies involved in the development, manufacture or sale of the products.

LIMITATION OF LIABILITY

To the maximum extent permitted under applicable law, our liability for any losses or damages relating to use of the product shall not exceed the purchase price for such product, regardless of whether such losses or damages are direct, indirect, special, incidental or consequential, and regardless of the legal theory asserted, including, but not limited to, warranty, contract, negligence or strict liability.

Given the diversity of our products, we recommend that our customers verify that the product satisfies the requirements of their application. The customer is responsible for the application and use of the product.

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