

# Professional Series

## VELCRO® Brand ALFA-LOK® Fastener

### ALFA-LOK®/ ST 5345



**VELCRO® Brand ALFA-LOK® Fastener, High profile for indoor and outdoor use.**

Is a strong, self-engaging and multidirectional tape easy to use. The quadrilobal mushroom tape ensures a firm and reliable connection.

Acrylic foam adhesive compatible with adequate for a wide number of substrates such as glass, PVC, metal and several plastics. Ideal for outdoor use.

High adhesive temperature resistance - Medium tack adhesion.

- **Width:** 25mm
- **Length:** 1, 3 and 5 meters
- **Colour:** Black
- **Material:** Polypropylene & Polyester
- **Adhesive temperature ranges:**  
 Long Term -40°C to +90°C  
 Short Term 120 °C

For Applications where medium cycling is required.

ADHESIVE SUBSTRATE COMPATIBILITY	
Glass	✓
Aluminium (Anodized, RAW)	✓
Steel (Stainless, Galvanized)	✓
Plywood - MDF	✓
Formica (Polished Side)	✓
Cardboard	✓
Painted Wallboard	✓
Concrete	✓
Stone	✓
ABS	✓
Polyester	✓
Vinyl	✓
Polyacrylic - PMMA	✓
Polycarbonate	✓
Polyethylene	✗
Polypropylene	✗
Fabrics	✗

✓ Recommended    ✓ Good. Recommended with Primer 101    ✗ Not Recommended

**Part Numbers**

- VEL-PS20023 = 25mm wide Black – 1 meters
- VEL-PS20022 = 25mm wide Black – 3 meters
- VEL-PS20028 = 25mm wide Black – 5 meters







**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 ALFA-LOK® Fastener
	<b>Closure Peel Strength</b>	Avg. = 2 N/cm
	<b>Closure Shear Strength</b>	Avg. = 50 N/cm <sup>2</sup>
	<b>Tensile Disengagement</b>	Avg. = 40 N/cm <sup>2</sup>
	<b>Cycle Life</b>	Medium

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

**ATTACHMENT TECHNIQUE**

Adhesive ST 5345 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 ST5345 has a shelf life of 18 months from the production date. Keep cool, dry and protect from sunlight. For performance characteristics of the ST5345, refer to the technical data sheet TDS.

**SPECIAL CHARACTERISTICS**



**Outdoor use**

Polyester component of the material has a good resistance under UV light, nevertheless, Polypropylene has poor resistance to UV light, for that reason **VELCRO® Brand ALFA-LOK® Fastener** is not designed intentionally to use for direct UV light contact. The product should be tested in use for a specific application.



**Resistance to solvents**

The Polyester and Polypropylene component in this fastener will resist some solvent cleanings and incidental exposure to common solvents, but the Polyester should not be exposed for extended lengths of time (except alkalis that hydrolyse it) and the Polypropylene except halogenated that dissolve it. The product should be tested in use for a specific application and has not been tested for resistance to transportation fluids such as gasoline, motor oils, and transmission fluids.



**Fire resistance**

**VELCRO® Brand ALFA-LOK® Fastener** meets certification requirements for FMVSS 302 and is classified B-2 under DIN4102.



**Water/Moisture resistance**

Polyester & Polypropylene material absorbs low quantities of water for that reason performance should be stable when it is exposed to water/high humidity (> 80% H.R.) for extended lengths of times.



**Electrostatic discharge**

**VELCRO® Brand ALFA-LOK® Fastener** 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.

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## REGULATORY ELEMENTS

For product declarations of conformity on regulatory elements and additional information, contact [productcompliance\\_emea@velcro.com](mailto:productcompliance_emea@velcro.com).

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## 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.

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## LIMITED WARRANTY

Velcro Companies<sup>(\*)</sup> 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.

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## 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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