

3M Construction & Home Improvement Markets

Product Information Sheet

September 2015

Scotch® Strong Fasteners



General Description

Scotch® Outdoor Fasteners are a closure system that is an alternative to screws, clips, rivets, snaps, and bolts. The stems attach to themselves and form a strong bond. They are backed with a pressure-sensitive adhesive that bonds to many indoor and outdoor surfaces. Each inch holds up to one pound, and these fasteners hold items weighing up to 5 pounds.

Product Characteristic	Value
Stem Material	Polypropylene
Adhesive	Acrylic
Stem Density	>62 stems per cm ²
Standard Roll Length	RF5731/DC: 4 of (25 mm x 7,5cm) black strips RF5730/DC: 4 of (25 mm x 7,5cm) transparent strips RF5741-Long/DC: 2 of (25 mm x 1,20 m) black rolls RF5740-Long/DC: 2 of (25 mm x 1,20 m) transparent rolls

Typical Physical Properties	Value
Weight Claim	5 cm holds 1 kg *Up to 2,5 kg
Peel Adhesion (90°)	10.5 N/cm width
Dynamic Tensile Disengagement Force	289 kN/m ²
Dynamic Shear	220 KN/m ²
Engaged Thickness	0.23 cm
Closure Life	100 - 150 closures
Surfaces	Painted and finished surfaces, acrylic painted concrete, metal
Operating Temperature Range	(-28 to 70°C)

Note: Technical information and data should be considered representative or typical only and should not be used for specification purposes.

Features/Advantages Benefits:

Feature (HAS)	Advantage (WHICH MEANS)	Benefit (SO THAT)
Acrylic Adhesive	High adhesion performance	Holds up to 2,5 kg
		Works in outdoor conditions
	Good holding power	Sticks to difficult surfaces
Polypropylene Stems	Self - Mating	Only need one product for attaching
	Snap together	Audible indication of closure
		Strong bond

Notes:

- Use 5 cm of fasteners for every one kilogram held; do not hold items weighing more than 2,5 kilograms.
- For optimal bond performance, apply when the surface temperature is between 20 and degrees 38 C
- This is a permanent tape and may cause damage if removed
- Do not use on wallpaper or other delicate surfaces
- Do not use in spaces where injury might occur if mounted object fell
- Works on most surfaces that are painted, varnished or sealed surfaces, including drywall, wood, or metal. Also great on acrylic, and bare metal.

Shelf Life:

Two years from date of manufacturer when stored in original packaging at 21°C and 50% relative humidity.

Contact Information:

For more information or help in selecting a 3M product for an application, please contact 3M HELPS at 1-800-3M HELPS (1-800-364-3577).

Supersedes: New

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