



3M™ Controltac™ Graphic Film IJ180mC

Product Features

- Excellent hiding power
- Pressure-activated adhesive for easy sliding, tacking, snap-up and repositioning
- Flexible; conforms to compound curves, corrugations and rivets
- Many finished graphic constructions can be stretched up to 130% (i.e., a 10 inch [25 cm] piece of film can stretch to 13 inches [33 cm]) without primer or relief cuts and maintain lift resistance
- Removable with heat and/or chemicals
- Expected Performance Life of 10 years (unwarranted period for unprinted film with no graphic protection, applied to a flat, vertical, outdoor surface)

	Front or Back-lit	Indoor/Outdoor	Vehicles Straight Trucks Semi-trailers Bus	Decals, Emblems & Striping	Indoor & Outdoor Graphics & Signs	POP	Identification graphics & Warning Labels	Advertising & Marketing
3M™ Controltac™ Graphic Film	FR	BOTH	●	●	●	●	●	●

CHARACTERISTIC	VALUE
Material	Cast Vinyl
Film Color	White, opaque
Thickness	Without adhesive: 2 mil (0.05 mm) With adhesive: 3-4 mil (0.08-0.10 mm)
Adhesive	Pressure-activated, permanent
Adhesion, Typical 24 hours after application	ABS: 5 pounds/inch (0.9 kg/cm) Acrylic enamel: 5 pounds/inch (0.9 kg/cm) Aluminum, anodized: 6 pounds/inch (1.1 kg/cm) Chrome: 5 pounds/inch (0.9 kg/cm) Fiberglass: 5 pounds/inch (0.9 kg/cm) Powder coat paint: 3-6 pounds/inch (0.5 to 1.1 kg/cm)
Tensile Strength	5 pounds/inch at 73 °F (0.9 kg/cm at 23 °C)
Chemical Resistance	<ul style="list-style-type: none"> • Resists mild alkalis, mild acids, and salt • Excellent resistance to water (<i>does not include immersion</i>) • Resists occasional fuel spills

All statements, technical information and recommendations about Vision Graphics substrates are based upon tests believed to be reliable but do not constitute a guarantee or warranty. All Vision Graphics products are sold with the understanding that the purchaser has independently assumed responsibility in determining the suitability of such product for its purposes. +1/-2 variance is allowed on all specs.

It is the responsibility of purchasers to independently verify, prior to use, the suitability of the products for their specific applications and print methods. SBR/Vision Graphics cannot be held liable for any misuse, damage or losses as specified in its product warranty. Subject to change without notice.