



3M Controltac

IJ 180Cv3 10 Print Wrap Film — 2mil Pressure-Activated Cast Vinyl

3M Print Wrap Film (Controltac / IJ 180Cv3 class): 2 mil cast vinyl with pressure-activated adhesive and invisible Comply air-release channels. Conforms to compound curves, corrugations and rivets — ideal for vehicle wraps and long-term outdoor fleet graphics.

Environment: Indoor & Outdoor | **Print sides:** Single-sided
Size: Custom size (up to 52" roll width) | **Longevity:** Long-term (up to 8 years vertical outdoor, product dependent)

COMMON USES	OPTIONS
• Vehicle wraps • Windows • Commercial vehicles • Watercraft • Fleet graphics	• Contour cut • Gloss, matte or no laminate • Custom size

TECHNICAL DATA — CAST WRAP FILM

PROPERTIES	
Film	2 mil white cast vinyl, luster finish, excellent hiding power
Adhesive	Pressure-activated (slide, tack, snap-up, reposition) with Comply™ air release
Conformability	Compound curves, corrugations and rivets; stretch up to ~130%
Removal	Removable with heat and/or chemicals within warranty
PHYSICAL CHARACTERISTICS	
Material	Cast vinyl
Film color	White, opaque
Thickness without adhesive	2 mil (0.05 mm)
Thickness with adhesive	3–4 mil (0.08–0.10 mm)
Adhesive color	Gray
Liner	Polyethylene-coated paper
Adhesion (24 h, typical)	ABS 4–5 lb/in · Acrylic enamel 3–4 · Al anodized 7–8 · Al etched 5–6 · Chrome 4–5 · Pre-painted panels 3–5
Tensile strength	5 lb/in at 73°F (0.9 kg/cm at 23°C)
Chemical resistance	Mild alkalis, mild acids, salt; excellent water resistance (not immersion); occasional fuel spills

APPLICATION CHARACTERISTICS

Surface type	Flat, with/without rivets, simple & compound curves, corrugations
Substrate type	ABS, aluminum, chrome, glass, FRP, paint (verify powder/water-based)
Application method	Dry
App. temp — flat no rivets	40°–100°F (4°–38°C)
App. temp — curves/rivets	50°–100°F (10°–38°C)
App. temp — compound / watercraft	60°–90°F (16°–32°C)
Applied shrinkage	0.015 in (0.4 mm)
Service temperature	–65° to +225°F (–60° to +107°C)

EXPOSURE TYPES

U.S. Vertical	Face ±10° from vertical
U.S. Non-vertical	>10° from vertical and >5° from horizontal (vehicle sides)
U.S. Horizontal	Face ±5° from horizontal
Desert Southwest	Reduced warranties for high solar exposure regions
Print	UV / solvent / latex compatible (verify ink set)



Specifications are for guidance based on typical substrate data. Confirm final specs with Signs Fast & Affordable when ordering. High-resolution print-ready artwork recommended. Contour / custom cut paths must be reviewed on design-service jobs.