

INTERNAL / EXTERNAL WALL SKINS

Cast Vinyl Wall Skin

Non PVC



Wall Art

Cast Vinyl Wall Skin (Non PVC)

TECHNICAL INFORMATION

Our Non PVC Cast Vinyl Wall Skin is a high performance film providing excellent handling for installation in extreme temperatures, and offers greater tensile strength to resist tearing during installation and removal. It also offers fine-tuned slideability, optimised initial tack, and non-visible air release, providing a stunning smooth appearance and carries a 3 year warranty when paired with our protective overlamine.

Product Description

- Special adhesive with micro technology offers excellent air flow and leaves a smooth finish
- Optimized initial tack
- Slideability for easy positioning
- Non-visible air release channels for fast and easy, bubble-free installations
- Many finished graphic constructions can be stretched up to 150%
- Flexible and highly-conformable for use on compound curves, corrugations, deep channels, and rivets
- High dimensional stability, for installation in hot or cold temperatures
- Removable with heat from most surfaces within the Warranty Period
- Resists tearing in cooler temperatures
- Highly durable, guards against intense UV and acidic dew, when applied with recommended graphic protection.
- 3 Year Warranty - when paired with our protective overlamine on indoor/outdoor vertical surface applications (excludes horizontal, indoor and outdoor surface applications).

Greener Solutions

- Non-PVC, phthalate-free film
- Contains no added chlorine or halogens
- Cast Vinyl Wall Skin is made in part from bio-based materials
- Manufactured using 58% less solvent

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Recommended Types of Graphics and End Uses

- Indoor and outdoor graphics and signs, including point-of-purchase and displays
- Fleet, vehicle, watercraft and transit graphics and wraps
- Commercial vehicles and fleet trucks and trailers; emblems or striping
- Personal vehicle graphics and wraps
- Watercraft graphics (above the static water line only)
- Bus graphics
- Rail cars and lead cars of trains, light rail and subways
- Small format original equipment manufacturer's (OEM) decorative and identification graphics, cautionary and safety labeling
- Smooth and textured walls graphics
- Graphics applied to indoor smooth wall surfaces
- Graphics applied to indoor or outdoor moderately textured surfaces when protected with our protective overlamine

Physical Characteristics

CHARACTERISTIC	VALUE
Material	High Performance Non-PVC
Film Colour	White, opaque
Thickness	Without adhesive: 2 mil (0.05mm) / With adhesive: 3-4 mil (0.08-0.10mm)
Adhesive	Pressure activated (slide, tack, snap, reposition) with air release channels
Adhesive Colour	Grey
Liner	Polyethylene-coated paper
Adhesion, Typical 24 Hours after Application	5ABS: 2-4 pounds/inch (0.36-0.72 kg/cm) Acrylic enamel: 2-4 pounds/inch (0.36-0.72 kg/cm) Aluminum, anodized: 5-7 pounds/inch (0.89-1.26 kg/cm) Aluminum, etched: 4-6 pounds/inch (0.72-1.08 kg/cm) Fruehauf pre-painted panels: 2-4 pounds/inch (0.36-0.72 kg/cm) Automotive clear coats: 3-5 pounds/inch (0.54-0.89 kg/cm)

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Tensile Strength	1–13 pounds/inch at 73°F (1.98–2.34 kg/cm at 23°C)
Chemical Resistance	Resists mild alkalis, mild acids, and salt Excellent resistance to water (does not include immersion) Resists occasional fuel spills
Flammability	ASTM E84 Report Test Results Time to ignition 02.37 minutes Maximum flamespread distance 02.32 feet Time to maximum spread 04.38 minutes Flame spread index 10 Smoke developed index 0

Application Characteristics

CHARACTERISTIC	VALUE
Finished Graphic Application Recommendation	Sign and vehicle applications: Surface type: flat, with and without rivets, simple curves, compound curves, deep channels and corrugations Substrate type: ABS resins, aluminum, chrome, glass, fiberglass reinforced plastics, paint (check adhesion to powder-coated or waterbased paints), fiberglass with gel coat Application method: Dry Application temperature (air and substrate): Flat without rivets: 40–105 F (4–40°C) Curves or corrugations with rivets: 50–105 F (10–40°C) Compound curves and/or watercraft: 60–95 F (16–35°C) Walls: 40–100 F (4–38°C)
Applied Shrinkage	Less than 0.015 inches (0.4 mm)
Temp Range After Application	–65 to +225 F (–60 to +107°C) (not for extended periods of time at the extremes)
Graphic Removal	Removable with heat from most substrates within the Warranty Period at 50°F (10°C) minimum (air and substrate) Grafix Group makes no claims as to the ease or speed of removal.

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NOT COVERED BY WARRANTY

Defects that are a result of vandalism, abuse, misuse, normal wear and tear, accidents, alterations, exposure to extreme weather events, or excessive humidity. Examples of normal wear include but are not limited to: loss of colour intensity, exposure to salt air, damage from insects or pets, normal fading from sunlight.