



# #586 BlueGuard Product Data Sheet

## The Ultimate in Long Term Protection



- Protects glass windows, door frames, vinyl, wood & most surfaces from concrete, mortar, stucco, EIFS & paint up to one year in most cases.
- Removes cleanly after being exposed to U.V. rays and a wide range of weathering
- Strong P.V.C. backing removes cleanly without being pulled apart. Blue window film is translucent, allowing light penetration.
- Designed for use in high end commercial projects.

## Technical Specifications

<b>Backing:</b>	Strong P.V.C. film	<b>Adhesive:</b>	Solvent Based Acrylic
<b>Thickness:</b>	3.0 mil	<b>Adhesion:</b>	5.5 oz/inch width
<b>Tensile:</b>	14 lb/in width	<b>Elongation:</b>	290%
<b>Application Temperatures:</b> 50°F (10°C) thru 100°F (38°C)			
<b>Removal Temperatures:</b> 50°F (10°C) thru 100°F (38°C)			
<b>Service Temperatures:</b> can handle wide range of temperatures once in place → 32°F (0°C) thru 150°F (66°C)			

Additional Information on Application, Storage, and Removal Guidelines on attached sheet(s).

**WARRANTY:** Electro Tape Specialties Inc. warrants its product to be free from defects in material and workmanship under normal use and service. If the goods should fail to conform to this contract or to any warranty outlined herein, buyers remedy should be limited to replacement of the non-conforming goods or parts thereof. Any defective goods or parts which have been replaced shall become Electro Tape Specialties property. This warranty shall be in lieu of all other warranties and Electro Tape except as herein provided. In addition, Electro Tape shall not be liable for any loss, damage or injury of any nature, whether direct, indirect, incidental or consequential in connection with or resulting from the use of the goods. All information, recommendations and descriptive information issued on said products is based upon research and believed to be reliable but does not constitute a warranty. The tape is sold under the understanding that the purchaser will independently determine the suitability of the tape.



### **BLUEGUARD SURFACE PROTECTIVE FILM**

**BlueGuard** is designed to “cling” to NON-POROUS surfaces such as glass, painted steel, aluminum (most finishes), and molded fiberglass. Not recommended for Lacquer painted surfaces and PVC substrates.

It does not “stick” as other tapes do, hence there is no glue residue left after the film is removed. It carries a LOW TACK adhesive that with proper 100% contact will wet out on the surface to form a protection over the surface area. **BlueGuard** may be used as a film in wider rolls to cover and protect the entire glass window or as a tape to cover or protect the perimeter frame or trim. **BlueGuard** is ideal for long term protection (up to one year in place) of any of the substrates named above and is not limited to window protection.

### **APPLICATION INSTRUCTIONS**

Important: **BlueGuard** Film designed for variety of surface protection applications. This product carries a LOW TACK adhesive and thus for full bond strength and performance, tape must make as much contact with surface (100% wet-out) for proper performance. To achieve the desired result from this product please observe the following.

1. The surface **MUST** be DRY!
2. The surface **MUST** be DUST FREE! And free of Oil & other contaminants!
3. Tape must be applied in straight, smooth to perimeter of window/frame.
4. Tape should be overlapped **only slightly** if glass width is wider than tape to ensure full optimal tape performance.
5. Tape must be smooth on surface. Wrinkles, bubbles must be smoothed out and removed.

### **CAUTION**

Sample testing should always be done prior to using **BlueGuard** products over painted surfaces. Because our products are PVC material, any solvents remaining in new or uncured paint may be trapped, resulting in a softening or peeling of the paint. Paint that is dry to the touch is not always thoroughly cured to the substrate. Initial testing of 48 hours in an inconspicuous spot is recommended. Further random testing should be done every few days after the **BlueGuard film** has been applied over painted surfaces. A quick look at the surface can be achieved by peeling the **BlueGuard** back to observe the painted surface to insure compatibility of the **BlueGuard** and the paint. Use of **BlueGuard** over surface with decals, stencil prints or surface applied lettering is done at the user's risk.

To confirm compatibility we further recommend testing all paints or coatings being applied over **BlueGuard** film. If the paint or coating seems to soften or wrinkle the tape or film immediately after being applied, we recommend the process be stopped and a phone call to us for further evaluation.

Where **BlueGuard** used for surface protection (windows, doors, trim, etc.) in application of plaster, stucco, or E.I.F.S. any heavy or thick deposit (blobs) of wet material should be knocked off with a trowel or similar tool prior to drying.

### **OPTIMUM CONDITIONS FOR APPLICATION**

PVC film and acrylic adhesives can be affected by environment condition: warm conditions make tape more pliable and enhance adhesion bond strength. When applied in colder environments, below 50°F (10°C) issues with reduced flexibility, reduced adhesion and possible moisture contaminant on surface due to condensation can impact tape wet-out and thus performance. Always best to remove film at conditions above 50°F (10°C) to ensure proper film integrity and adhesion is maintained and achieved.

### **OPTIMUM CONDITIONS FOR REMOVAL**

COLD: PVC film and acrylic adhesive can be affected by cold climate (temperatures near freezing and lower) and become less elastic, possibly brittle causing fracturing of the film and adhesive if removal is attempted. Potential residue may be left behind. Always best to remove film at conditions above 50°F (10°C) to ensure proper film integrity is maintained. If film must be removed at lower temperatures, use of a heat gun to warm up surface and film is suitable option for clean removal results.

Since the conditions of handling and of use are beyond our control, we make no guarantee of results and assume no liability for damages incurred by following these guidelines.