



Vistex® 200/275 Anti-Fog Film

Vistex 200 — with Pressure Sensitive Adhesive

Vistex 275 — without Adhesive

DESCRIPTION

Anti-Fog coated polyester film, available with or without optically clear adhesive backing.

Vistex 200 — with Pressure Sensitive Adhesive (including protective release liner).

Vistex 275 — without Adhesive (no liner).

Available in two standard thicknesses (2 mil and 4 mil) in various widths and shapes.

Vistex 275 also available in 7 mil. Can be soaked in water repeatedly without losing anti-fog properties.

FEATURES

- With or Without Pressure Sensitive Adhesive (PSA)
- Optical clarity
- Hydrophilic
- Anti-Fog and Water Sheeting Performance
- Wet and Dry Application Compatible

STORAGE

Vistex film should be stored in an environmentally controlled area with relative humidity of less than 60%.

FILM AND ADHESIVE REMOVAL

To remove film, slide a razor blade beneath one corner and lift slowly. Peeling too fast will cause adhesive to remain on the glass/plastic substrate surface. Any remaining trace of adhesive can be removed with hydrocarbon solvents (e.g. hexane, heptane, mineral spirits), PM glycol ethers or a 50-70% isopropyl alcohol solution in water.

Plastics should be tested first for solvent sensitivity.

FILM PROPERTIES

PROPERTY	TYPICAL VALUES
Thickness*	2, 4 or 7 mil
Appearance**	Clear and colorless
Visible Light Transmission	90%
Tear Strength (initial)	
2 mil	1.9 kg (4.2 lbs)
4 mil	3.8 kg (8.4 lbs)
Recommended Application Temperature	20 - 25°C (68 - 77°F)
Anti-fog (TM-153)	Pass

*The adhesive release liner is additional to the thickness of the base film.

**The adhesive release liner is also clear and must be removed.

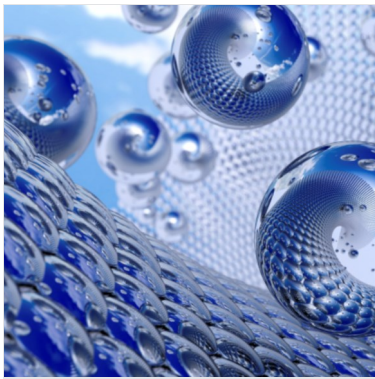
ANTI-FOG PROPERTIES

Vistex 200/275 Film is hydrophilic which causes condensation to spread as a clear layer, rather than form droplets which appear as fog. Although it absorbs moisture, the coating does not dissolve in water, so it will not smudge when wet. It prevents or reduces fogging under all temperature/humidity conditions, even after extended immersion in water or repeated cleanings.

Where scratch resistance is critical please contact an FSICT representative for information on Visgard® products.

CARE INSTRUCTION

Treated surfaces may be cleaned with an ammonia-free glass cleaner and a sponge, tissue or paper towel. Cleaners containing alcohol may be used but the alcohol content should be <30%. Do not use cleaners which contain moisturizers, abrasives, strong acids, or caustic substances. Remove any oily contamination with a grease cutting cleaner.



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INSTALLATION

Pressure Sensitive Adhesive (PSA) - Vistex 200

FSI Coating Technologies uses an optically clear adhesive recommended for use with pressure roll laminating machinery, or by professional installers familiar with the handling of adhesive films. The adhesive bonds immediately to glass and plastics. Peel strength increases slightly after 5 to 10 days. The adhesion bond strength will be reduced after extended immersion in water, but bond will re-strengthen upon drying. Both 2 or 4 mil PSA film may be applied dry, with laminating equipment, or by wet method.

Installation with Laminating Machinery

A clean room environment is recommended when applying Vistex Film with a pressure laminator. If a clean room is not available, dust may be removed with an ionized air gun connected to a supply of compressed air. A film lamination that is free of contamination may be easier to accomplish in two steps. First, laminate a tacky material to the substrate. Then as a second step peel the tacky material as the sheet enters the nip in such a way that the time of exposure to contaminated air is minimized.

Installation by Hand

Where laminating machinery is not available or not practical, Vistex Film may be installed by hand using a wet application technique. To prevent premature "grab" which will trap pockets of air or water use a wetting solution for pressure sensitive adhesives such as up to 1.0% baby shampoo in distilled water. Filter solution before use. This detergent solution allows the film to be positioned and then locked in place with light force so it will not shift when squeegee pressure is applied. Install on a clean (very important) surface which is flat or curved in one dimension only. With the dilute detergent solution, spray the surface to be treated.

Separate the release liner from the adhesive side with cellophane tape attached to front and back of a single corner. Spray the exposed adhesive side with detergent solution and put in place but without pressure. Then spray the film surface with detergent solution so the squeegee glides and apply pressure with a urethane squeegee to evacuate liquid from beneath the film. Use overlapping strokes to prevent trapping pockets of water or air. If milky blotches appear it is due to excess water remaining after installation. The water will dry and the blotches and distortion will disappear.

Please contact FSICT Technical Support for further information regarding application instructions or visit fsicti.com.

STORAGE RECOMMENDATIONS

It is recommended to store Vistex 200/275 Film indoors (5 - 30°C/<60%R.H.), out of direct sunlight and in its original packaging.

WARRANTY AND LIABILITY LIMITATIONS

Information contained herein is accurate to the best of our knowledge. The properties listed herein represent typical values for Vistex 200/275 Film and are not meant as specifications. FSICT insists that users conduct their own tests for applicability and fitness for any purpose. Statements concerning use of products or formulations described herein shall not be construed as a warranty or license to infringe any patent or trademark, and no liability for infringement arising out of such use is assumed. Please refer to FSICT Standard Terms and Conditions or to your Purchase Agreement with FSICT for the warranty coverage of FSICT's product.

PRODUCT SHIPPING AND AVAILABILITY

Typical lead-time for shipment of Vistex 200/275 Film is four (4) weeks from confirmation of a purchase order. FSI provides several shipping options. Please contact an FSI representative to determine which option best fits your needs.

