



## Anti-Fog Film Visgard® AF/Anti-Scratch

### Anti-Fog Film — FAQ

**Q: What are some of the most common applications for anti-fog film?**

**A:** Anti-fog film can be applied to the inside of super market freezer doors, as well as the user facing side of the following products: motorcycle shields, safety goggles, surgical masks, face shields (for military, police and firefighters) as well as ski, swim and scuba goggles. Anti-fog film can also be applied to electronic devices, instrument gauges and bathroom mirrors.

**Q: Why would I choose anti-fog film over a liquid anti-fog coating?**

**A:** Anti-fog film application requires limited equipment and know how. Alternatively, anti-fog coatings require a coating facility with a clean room, an oven for curing, and experienced personnel.

**Q: Is there a standard film product, or are all film products made-to-order?**

**A:** There is one standard film product, which is an anti-fog with anti-scratch properties that is supplied with adhesive backing. This film product is supplied in roll form, measuring 28.25 in./71.76 cm wide by 250 linear ft./76.20 linear m long by 2 mil/.051 mm thick. All other film product are made-to-order.

**Q: Can anti-fog film be cut to any width I need, or are there standard widths to choose from?**

**A:** We can supply almost any width under 58 in./148 cm.

**Q: Can your anti-fog film be cut into a specific shape for application to plastic or glass shapes?**

**A:** If you are in need of a made-to-order shape (appliqué) you can submit a CAD file drawing to a representative of the company. Based on the drawing and number of pieces required a quote can be provided.

**Q: What is the difference between the properties of Vistex and Visgard?**

**A:** Vistex is anti-fog only while Visgard is anti-fog with anti-scratch properties.

**Q: Why would I want to use Vistex over Visgard, or vice versa?**

**A:** For certain applications (such as swim goggles) where an anti-scratch component is not required, Vistex would be better suited than Visgard as it is more absorbent. Whereas, Visgard is more durable than Vistex and should be used in all applications where the user will be repeatedly handling the coated part, such as safety goggles.

**Q: Does Vistex or Visgard film have to have adhesive backing, or can I receive anti-fog coated film that has not been adhesive treated?**

**A:** Both types of anti-fog film are sold with or without adhesive treatment.

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**Q: Can I use my preferred brand of pressure sensitive adhesive on your film? What are the restrictions?**

**A:** If you have a vendor who will apply your preferred brand of adhesive, we will supply that vendor with our film. However, the adhesive cannot be silicon based as silicon destroys the properties of the anti-fog coating.

**Q: Does thickness of the polyester film (2 mil/.051 mm, 4 mil/.102 mm, 7 mil/.178 mm) determine the strength of the coating applied to the surface?**

**A:** The thickness of the film or film type has no bearing on the performance of the anti-fog product.

**Q: How do I apply adhesive backed anti-fog film to my selected substrate?**

**A:** You can either pressure roll or wet apply the film.

**Q: What does a wetting agent consist of? Can I purchase a wetting agent, or do I have to make one up?**

**A:** At present, we do not supply our own wetting agent. We suggest mixing 99 parts water with 1 part liquid soap for most applications. When applying film in freezing conditions, Isopropyl alcohol (< than 30%) should be added to the wetting agent to prevent frost.

**Q: What is the technique for applying film using a wet application?**

**A:** The adhesive side of the film and the substrate are sprayed with the wetting agent. The film is then placed in position and receives a spray of wetting agent onto the top surface, which allows the squeegee to glide over when applying the film to the substrate. The squeegee is then used to remove excess water from between the substrate and the adhesive side of the film.

**Q: Is there an easy way to recognize which side is anti-fog coated and which side is adhesive treated before removing the liner?**

**A:** All anti-fog film is rolled with the anti-fog side

facing outward and the adhesive side facing inward. Also, the liner can be pulled up in the corner of the film, allowing a determination of adhesive side or anti-fog side with the touch of a finger.

**Q: If I make a mistake during application can the anti-fog film be easily removed from the substrate?**

**A:** If the adhesive is still wet, the anti-fog film can be easily removed and repositioned. If the adhesive has cured on the substrate, removing the film can leave adhesive behind to be cleaned. To remove anti-fog film, slide a razor blade beneath one corner of the film and lift slowly. Peeling off the film too fast will cause excessive amounts of adhesive to remain on the substrate. If traces of adhesive remain, clean with a cloth wetted with isopropyl alcohol and DI water.

**Q: Is there a preferred cleaning technique for removing smudges from anti-fog film.**

**A:** Soap and water with a lint free paper towel will clean most smudges. Do not rub with a dry cloth, as this type of cleaning may mar the coating. Degreasers can also be safely used to remove smudges. Do not clean anti-fog film with a rough cloth as the coating may be scarred.

**Q: How can I tell if the film we received is anti-fog only, or an anti-fog with an anti-scratch component?**

**A:** Anti-fog film without anti-scratch does not have a protective liner on the anti-fog side. Anti-fog film with anti-scratch has a liner covering the anti-fog coated side of the film. Additionally, anti-fog only film is branded as Vistex while anti-fog /anti-scratch film is branded as Visgard. There is a label on each roll of the film that identifies the product.

**Q: My newly applied anti-fog film looks white, not clear. Is this normal?**

**A:** The film can take on a whitish appearance when the wetting agent is not completely removed during application. If the whitish haze does not go away after a few days the film may never cure properly and should be removed.

## **Business Information - FAQ**

**Q: What is the price of your anti-fog film?**

**A:** Prices are determined by the type of anti-fog film selected and the amount required. Anti-fog film is sold by the square ft/square m.

**Q: Is there a minimum order for anti-fog film products?**

**A:** The minimum order is one roll of our standard anti-fog/anti-scratch adhesive backed film. All other film products are custom orders that need to be discussed first with a representative of the company before ordering.

**Q: Can I pay by credit card?**

**A:** We do not accept credit card payments. We do accept pre-payment in the form of a business check or wire transfer. We will also extend a credit line after the first order with the submittal of a credit application.

**Q: What are your business terms?**

**A:** All orders are shipped out FOB, the seller's location. For accounts with a line of credit we offer a standard Net 30 days for payment.

**Q: If I am not satisfied with the product I purchased can I return the product for my money back?**

**A:** All returns and credit requests are discussed with a company representative. The reason for return must be determined for reimbursement to occur. If a quality issue has occurred, we will replace unusable material.

**Q: Can I purchase directly through your company or do I have to use a distributor?**

**A:** We sell direct to customers within the US. For European, and Asian customers, we have an established distribution network. However, please contact FSICT directly as we will be able to recommend a distributor based on your location.

**Q: What number do I dial if I have an immediate need for information or help?**

**A:** Please call FSI Coating Technologies, Inc. at **1-949-540-1140**, or you can e-mail your question to: [FSICustomerCare@sdctech.com](mailto:FSICustomerCare@sdctech.com).

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