

3M™ Antimicrobial Protective Film 7750AM & 7760AM Frequently Asked Questions (FAQ)

Is the Product EPA Registered?

This film product is not EPA- registered. However, it meets the requirements of Pesticide PR Notice 2000-1 “Treated Articles Exemption from FIFRA.” As per Treated article guidance requirements, the silver ion additive built into the top clear hard coat layer is an EPA-registered silver ion antimicrobial agent to protect the hardcoat itself. The EPA Registration Number for the silver ion additive is 71227-1. The silver ion additive does not provide antimicrobial activity outside of the hardcoat. Based on current market research, there are no commercially available EPA- registered antimicrobial films that provide antimicrobial activity outside of the film product itself on the market today.

What is the product construction?

3M™ Durable Protective Film portfolio contains two products, 7750AM, and 7760AM. 7750AM is a 2-mil high clarity PET film with permanent adhesive, and 7760AM is a 2-mil high clarity PET film with removable adhesive. Both products have a scratch, abrasion, and chemical resistant hardcoat that contains a built-in antimicrobial agent to protect the top clear hardcoat layer.

Where could this product be used?

3M™ Durable Protective Films 7750AM and 7760AM provide lasting protection for surfaces in high-touch environments. As always, please test these products in your application to determine the fitness of use.

- 7750AM contains a permanent adhesive. Application examples include flat surfaces such as door handles, tabletops, and counter tops. Consider as a design-in option for surfaces.
- 7760AM contains a removable adhesive. Application examples include flat surfaces such as touch screens and credit card readers. Consider as removable protection to retrofit existing equipment or furniture.

How clear is the product? Will it interrupt the aesthetic of my furniture?

This product utilizes a high clarity PET and hard coat that will preserve your surface’s look and the readability of key messages or images. The clarity of the film and hard coat combined is 90.5%.

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How durable is the hard coat?

The highly durable hard coat in 3M Durable Protective Film is designed to withstand abrasive wear and tear and regular cleaning with various common cleaning products. After Taber Abrasion testing, with conditions of 100 Cycles, CS10, 500grams, the Delta Haze of the hard coat is only 1.78%.

How does the antimicrobial mechanism work?

The silver ion antimicrobial control mechanism within the hard coat utilizes an active silver zeolite carrier that interrupts cells' metabolism and prevents cell reproduction within the hardcoat itself.

What is the efficacy of the product against viruses? Have you tested it in the lab against viruses, like COVID-19? Do you have test reports?

No, this product has not been tested against viruses and is not effective against COVID-19.

This product contains an antimicrobial agent to inhibit microorganisms' growth within the hardcoat to protect the hardcoat itself. This product does not protect users or others against bacteria, germs, or other food-borne or disease-causing organisms. This product does not protect users or others against viruses, including COVID-19.

Do I still need to clean, sanitize or disinfect this film?

Yes, please follow CDC guidelines for cleaning. The hard coat is resistant to various cleaners such as bleach, Clorox and Lysol wipes, isopropanol, and hydrogen peroxide. Refer to the product datasheet for a full list of tested cleaners. The antimicrobial agent within the hardcoat does not provide antimicrobial activity other than protecting the hardcoat itself.

How many cleans can the surface go through before the antimicrobial agent loses the ability to protect the film?

Based on the Sutherland Rub testing using Clorox and Lysol wipes, the hard coat can withstand one year of cleaning, four times per day, using ten wipes per cleaning. The antimicrobial properties that protect the construction of the hardcoat are integrated into the hard coating structure and will reasonably last the lifetime of the coating.

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How long does the antimicrobial property last?

It depends on the application. Without knowing the application, use, or environment the product will be exposed to, this is hard to predict. The product has been tested via Taber Abrasion, Southerland Rub, Crockmeter, and QUV testing to simulate performance results. This information is available on the product datasheets. The antimicrobial properties that protect the construction of the hardcoat are integrated into the hard coating structure and will reasonably last the lifetime of the coating.

What is the efficacy of the film on preventing bacteria and the protection percentage associated?

The top clear hardcoat layer contains an EPA-registered silver ion antimicrobial agent built-in to suppresses the growth of bacteria, mold, and mildew. As per Treated Article guidance requirements, the silver ion additive built into the top clear hard coat layer is an EPA-registered silver ion antimicrobial agent to protect the film itself. The silver ion additive does not provide antimicrobial activity outside of the film. Under FIFRA legislation, antimicrobial efficacy claims such as percent reduction of bacterial growth can only be made if the film itself is EPA-registered. Based on current market research, there are no commercially available EPA-registered antimicrobial films that provide antimicrobial activity outside of the film product itself on the market today, so such claims should be considered critically.

Disclaimer: This product contains an antimicrobial agent to inhibit the growth of microorganisms with the film itself. This product does not protect users or others against bacteria, viruses, germs or other food-borne or disease-causing organisms. Always clean this product thoroughly after use.