

Product Description

3M™ DI-NOC™ Whiteboard Finish WH-111, the “Product”, is a unique architectural finish with a writable and erasable surface that can be used to convert interior surfaces into creative, collaborative environments. The WH-111 film has an acrylic adhesive that allows installation to a wide variety of substrates.

Featured Benefits

- Flexible, durable polyester film
- Use as an interior finishing material for creative, collaborative environments in offices, commercial facilities, hospitals, and other locations
- Can be installed on a wide variety of interior surfaces. For application on glass, use 3M™ Fasara™ Whiteboard Finish WH-111-G.
- Meets U.S. building regulations for flammability resistance
- Abrasion, stain and chemical resistant
- Compatible with most standard dry erase markers and erasers



Application

For installation of WH-111, please refer to 3M™ DI-NOC™ Architectural Finishes Installation Guide for application instructions.

WH-111 Specifications

Material	Form - Std.
Writing and Erasing	Writable surface layer
Core Material	Polyester film
Adhesive	Acrylic, pressure sensitive
Liner	Silicone-coated paper release liner
Thickness (Nominal)	0.17mm (6.7mil) not including release liner
Color	Opaque white film with glossy finish
Product Size	1.25m x 30m (49.2" x 98.4')
Application Temperature Range	54-100°F (12-38°C)
Flammability Test Results	Class A fire rated (ASTM E-84)

Product Characteristics

Characteristic	Test Method	Results
Abrasion Resistance	Abraded 10 strokes with steel wool under a load of 0.5kg	No noticeable scratches
Stain and Chemical Resistance	Direct contact for 18 hours with the following sub- stances: Foodstuffs • Milk • Coffee • Tea • Wine • Vinegar • Ketchup • Oleic Acid/Vegetable oil Chemicals • Salt water (5%) • Household Ammonia • Soapy Water (1%) • Neutral Cleaner • Hydrochloric Acid (10%) • Ethyl Alcohol (50%) • Formalin (36%)	No permanent staining

The above data are representative values and are not guaranteed.

Considerations for End Uses

- For interior use only.
- For best appearance of WH-111, apply only to substrates with a smooth surface, such as flat metal panels or baked painted steel panels. Application to other very smooth substrates may be possible.
- Irregularities in substrate surface such as surface texture will show through after application due to the glossy appearance of the Product. For drywall installation, a Level 5 Gypsum Board Finish (ASTM C840) is recommended.
- Recommended for flat or slightly curved surfaces only.
- Product is not intended for electronic cutting.
- The Product has a writable surface layer that makes it unsuitable for printing.

Application Guidelines

- The film edges may be sharp; use caution when handling the film.
- For WH-111, use a dry application method. Refer to the 3M™ DI-NOC™ Architectural Finishes Installation Guide.
- Do not stretch or attempt to reposition the Product during application. This may deform, buckle, or ripple the film. Determine a starting point for level application and apply carefully.
- Wrinkles created during application cannot be removed with heat due to polyester construction.
- Avoid scratching, denting, or stretching the Product during installation as this may affect writing performance.
- Seams tend to accumulate marker residue and become highly visible. For WH-111, where multiple panels are used side-by-side, make a 1/2-inch wide overlap and apply an appropriate adhesion promoter such as 3M™ Tape Primer 94 between the overlapped panels to ensure good, firm adhesion.

How to Use the Film as Whiteboard

- Only use dry erase markers for writing on the Product. "Washable" dry erase markers are not recommended.
- To minimize ghosting, erase writing as soon as possible after use, using an eraser designed for whiteboards. Do not stretch Product during application; performance of writable surface layer may be compromised.
- If a non-specified marker is accidentally used, wipe it off immediately with an alcohol-based cleaner. Dry erase markers for whiteboard use are most suitable for writing on the film.
- NEVER use permanent markers or felt pens.
- Keep the eraser clean to prevent ink debris from sticking to the film.

NOTE: Upon initial use, the dry erase marker ink may not adhere well to the film. Writing with the dry erase marker and erasing several times will "break-in" the surface.

How to Remove the Film

Removing the Product too quickly can result in excessive adhesive left on the substrate. If necessary, heat a small section of the film with a hair dryer to soften the adhesive, peel back slowly, then heat and remove the next section.

If any adhesive remains on the substrate, it can be easily cleaned with a product such as 3M™ Citrus Based Cleaner.

NOTE: Removal of WH-111 from substrates other than painted metal panels may result in damage to the substrate.

Transportation, Storage and Shelf Life

- Keep the film away from high temperatures, high humidity and direct sunlight.
- Store the film in the original container at 40°F - 90°F (4°C - 32°C).
- Apply the film within one year of purchase.

Maintenance

- Erase content from the Product as soon as it is no longer needed.
- When needed, clean the surface with mild detergent and water and a soft cloth, or an alcohol based cleaning product.

Technical Information

Technical information and data, recommendations, and other statements provided by 3M are based on information, tests, or experience which 3M believes to be reliable, but the accuracy or completeness of such information is not guaranteed. Such technical information and data are intended for persons with knowledge and technical skills sufficient to assess and apply their own informed judgment to the information. The typical values shown should not be used for the purpose of specification limits. If you have questions about this Product, contact the Technical Service helpline at 1-888-650-3497.

Limited Warranty and Limited Remedy

Product

3M™ DI-NOC™ Architectural Finishes (the “Product”).

Limited Warranty

1. 3M warrants that the Product will be free from defect in manufacture (“3M Warranty”) for three years from the date of shipment by 3M or its authorized distributor (“Warranty Period”). EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, THE 3M WARRANTY IS MADE IN LIEU OF ALL OTHER WARRANTIES, RIGHTS OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY, SATISFACTORY QUALITY, FITNESS FOR A PARTICULAR PURPOSE AND THOSE ARISING FROM A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE. THE BUYER IS RESPONSIBLE FOR DETERMINING IF A PRODUCT IS SUITABLE FOR ITS PARTICULAR PURPOSE AND APPLICATION METHODS.
2. For a buyer’s convenience, 3M may provide engineering or technical information, recommendations, installation instructions or guides, and other information or materials relating to a Product (“Other Product Information”), but 3M makes only the 3M Warranty and does not warrant any Other Product Information.
3. 3M has no obligation under the 3M Warranty as to Product that has been: (a) modified, altered or processed in any manner; (b) stored, applied, installed, or used in a manner other than that 3M recommends in the Technical Data Sheet and Installation Guide and in all Other Product Information; (c) damaged through contact with a person or thing, misuse, accident, neglect, or other action by anyone other than 3M; (d) improperly installed, including, without limitation, installation after the expiration the Product’s shelf life or installation without proper surface preparation, or (e) exposed to excessive heat, humidity, dirt or UV light.
4. 3M must receive any 3M Warranty claim in writing no later than 10 business days after (a) the end of the Warranty Period or (b) the discovery of the 3M Warranty claim, whichever is earlier.

Limited Remedy

IF ANY PRODUCT IS PROVEN NOT TO HAVE MET THE 3M WARRANTY DURING THE WARRANTY PERIOD, THEN THE BUYER’S EXCLUSIVE REMEDY, AND 3M’S SOLE OBLIGATION, WILL BE, AT 3M’S OPTION, TO REPLACE THE NONCONFORMING PRODUCT OR TO REFUND THE NONCONFORMING PRODUCT’S PURCHASE PRICE.

Limitation of Liability

3M WILL NOT UNDER ANY CIRCUMSTANCES BE LIABLE TO A BUYER FOR DIRECT (other than the Limited Remedy stated above), SPECIAL, INCIDENTAL, INDIRECT OR CONSEQUENTIAL DAMAGES (INCLUDING, WITHOUT LIMITATION, LOSS OF PROFITS) IN ANY WAY RELATED TO THE PRODUCT, THE TECH DATA SHEET OR OTHER PRODUCT INFORMATION, REGARDLESS OF THE LEGAL OR EQUITABLE THEORY ON WHICH SUCH DAMAGES ARE SOUGHT.

3M Architectural Markets 3M U.S.

3M Center
Building 220-7W-07
St. Paul, MN 55144-1000
1-888-650-3497
3MArchitecturalMarkets.com

3M Canada

1840 Oxford St E
London, ON N5V 3R6
1-800-265-1840

3M Architectural Markets 3M Europe

Hermeslaan 7
1831 Diegem
Belgium
www.3M.eu/ArchitecturalMarkets

3M Architectural Markets 3M Italia, S.p.A.

Via Nortberto Bobbio, 21
20096 Pioltello MI
Tel. 02.7035.2517
www.dubic.it

3M India Limited Architectural Markets Department

Concorde Block, UB City
24 Vittal Mallya Road, Bangalore 560 001
Tel: 080 2223 1414 Fax: 080 2223 1450
3minteriors.in@mmm.com
www.3M.com/in/interiors
www.spacesunleased.com

3M Architectural Markets 3M Gulf

PO Box 20191, Dubai Internet City
Building @ 11
Dubai, United Arab Emirates
Tel. 971 4 3670 777
Fax 971 4 3670 998



Architectural Markets