

DuPont™ DuraGard™ WD Self-Adhered Flashing Tape

Self-adhered flashing tape for rough openings of windows and doors

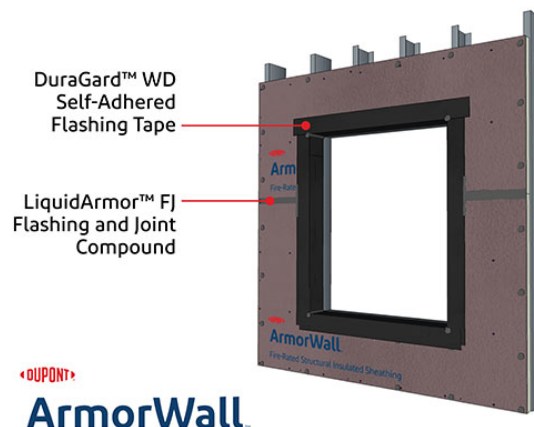
OVERVIEW

Description

DuPont™ DuraGard™ WD Self-Adhered Flashing Tape is a primerless window and door rough opening flashing which helps maintain the integrity of air and water-resistive barrier assemblies. By sealing and protecting vulnerable areas around openings, DuraGard™ WD can help improve the durability and energy efficiency of commercial buildings of all types.

DuraGard™ WD is incorporated with an easy-to-remove, moisture-stable, split-release liner, allowing for precise alignment and installation onto exterior surfaces.

The Result– A complete building envelope system when used with ArmorWall™ that helps keep moisture out and improve the energy efficiency of the building.



Features and Benefits

- **Application and Service Temperature:** Broad application temperature range down to 0 °F (-18 °C). Maximum service temperature of 240 °F (115 °C).
- **Helps Save Labor, Time and Cost:** Split release liner on 9", 10" and 12" widths for easier product installation.
- **Multiple Product Offerings:** Fits with multiple arrangements of width and depth of windows and doors.
- **UV Resistant:** 6 months of UV protection.
- **Assembled in the USA:** Manufactured in the USA with globally sourced materials.

Ease of Use

Primer* is recommended on the following substrates:

- Brick and Mortar.
- Concrete and CMU.
- Glass Mat Faced Exterior Gypsum Sheathings.

*3M High Strength 90 is a preferred primer for these applications.

Applications

DuPont™ DuraGard™ WD Self-Adhered Flashing Tape has primerless adhesion to the following substrates:

- DuPont™ ArmorWall™ Plus and ArmorWall™ SP Plus
- DuPont™ LiquidArmor™ FJ
- DuPont™ ArmorSeal™
- Tyvek® Fluid Applied Flashing and Joint Compound+
- Galvanized Steel Studs and Primed Structural Steel
- Plywood
- Most Metal Flashings
- Oriented Strand Board (OSB)
- Most Self-Adhered Flashing Top Sheets (HDPE)
- Wood Studs
- Anodized Aluminum

Standard Sizes

U.S. Stock Sizes for DuPont™ DuraGard™ WD Self-Adhered Flashing Tape

Unit	Width	Length	Units per Case	Cases per Pallet	Units per Pallet
Roll	9 in.	75 ft.	4	60	240
Roll	10 in.	75 ft.	4	48	192
Roll	12 in.	75 ft.	4	36	144

TESTING AND CODE COMPLIANCE

DuPont™ DuraGard™ WD exhibits physical properties as indicated when tested as represented. Review all instructions and (Material) Safety Data Sheet ((M)SDS) before use. Please contact DuPont at 1-833-338-7668 when additional guidance is required for writing specifications that include this product.

TEST METHOD	TEST TITLE	PROPERTY	RESULTS
STRENGTH			
ASTM D882	Standard Test Method for Tensile Properties of Thin Plastic Sheeting	Tensile Strength	1300 psi
ASTM D882	Standard Test Method for Tensile Properties of Thin Plastic Sheeting	Elongation	800% to break
WATER			
ASTM E96	Standard Test Methods for Gravimetric Determination of Water Vapor Transmission Rate of Materials	Method A (Dry Cup) Water Vapor Transmission	0.3 US Perms
ASTM E331	Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference	Installed System Water Intrusion Testing(when installed with DuPont™ ArmorWall™ Plus)	No leaks @ 15 psf for 15 min
AIR			
ASTM E2357	Standard Test Method for Determining Air Leakage Rate of Air Barrier Assemblies	Installed System Air Intrusion Testing(when installed with DuPont™ ArmorWall™ Plus)	<0.04 cfm/sf at 75 Pa
GENERAL			
ASTM D3652	Standard Test Method for Thickness of Pressure-Sensitive Tapes	Thickness, Total	15 mil
ASTM D5750	Standard Guide for Width and Length of Pressure-Sensitive Tape	Width Tolerance	± 1/16"
ASTM D5750	Standard Guide for Width and Length of Pressure-Sensitive Tape	Length Tolerance	0 to +6
AAMA 711	Specification for Self-Adhering Flashing Used for Installation of Exterior Wall Fenestration Products	Service Temperature Range	-40 °F – 240 °F (-40 °C – 115 °C)
AAMA 711	Specification for Self-Adhering Flashing Used for Installation of Exterior Wall Fenestration Products	Material Standard for Self-Adhering Flashing Surrounding Exterior Wall Fenestration	Class A (no primer) and Level 3 Thermal Exposure (80°C/176°F for 7 days)
AAMA 711	Specification for Self-Adhering Flashing Used for Installation of Exterior Wall Fenestration Products	Fastener Sealability (sec. 5.2)	PASS
ASTM G154	Standard Practice for Operating Fluorescent Ultraviolet (UV) Lamp Apparatus for Exposure of Non-Metallic Materials	(per AAMA 711-20) UV Resistance	180 days
AAMA 711	Specification for Self-Adhering Flashing Used for Installation of Exterior Wall Fenestration Products	Installation Temperature Range	0 °F (-18 °C) to 130 °F (54 °C)

INSTALLATION

Preparation

- Prior to the installation of **DuraGard™ WD**, all surfaces need to be clean, dry, and free of debris or frost
- Wipe surfaces to remove moisture, dirt, grease, frost, and other debris that could interfere with adhesion.
- Door and window sill framing must be level or slightly sloped to the exterior to ensure proper drainage. This best practice ensures continuous support with positive slope to the exterior.

Installation

- A minimum 4" overlap onto exterior-facing surfaces is required, along with a minimum 2" adhesion to a suitable substrate on the interior framing member (e.g. metal stud) and to the interior face of the fenestration system to provide a substrate for the interior air seal.
- Do not terminate **DuraGard™ WD** onto an edge of cut **ArmorWall™ Plus** and **ArmorWall™ SP Plus** or on the foam edges.
- The release liner is split at the 4" mark for easy alignment.
- Avoid stretching flashing tape during application. Ensure tape is adhered flat onto the outer surface, free of wrinkles and fish-mouths.

- Once **DuraGard™ WD** is placed in the desired location, apply pressure along the entire surface of flashing for a strong bond using a J-Roller or firm hand pressure.
- If **DuraGard™ WD** is installed over ArmorSeal joint treatment, terminate **DuraGard™ WD** edge with ArmorSeal Gunnable at the joint treatment overlap and a minimum of 3" beyond to either side of the ArmorSeal.
- Please refer to the [DuPont™ ArmorWall™ Plus FR SIS Installation Manual](#) under "Resources" for further details.

HANDLING

Product Limitations

- **DuraGard™ WD** must be installed with ambient and substrate temperatures greater than 0 °F (-17.8 °C) and below 130 °F (54.4 °C). Primers and field adhesion testing are recommended on porous and friable substrates. Best performance when installed within 12 months of the manufacture date.

Life and Storage

- Store **DuraGard™ WD** in a dry, clean, and dust free environment between 40°F (4.4°C) and below 80°F (26.7° C). Maintain shrink wrap on flashing tape until ready for use. Do not store roll on its side to prevent deformation.



For more information, visit us at
armorwall.dupont.com
or call us at 1-833-338-7668

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