

Protecto Sill Drainage System

Patent Pending



Peel and Stick, Flexible Window Sill Pan System
that Evacuates Window Leaks to the Exterior
Weather Plane of the Structure



Premium Building Products that Protect

The Protecto Sill Drain

PSDS Offers Maximum Protection from

WATER AND MOISTURE FROM WIND BLOWN RAIN, LEAKS AND CONDENSATION CAN ACCUMULATE IN WINDOW OPENINGS CAUSING BLACK MOLD, WOOD ROT AND STRUCTURAL DAMAGE.

The Protecto Sill Drainage System combines Protecto Wrap's advanced peel-and-stick adhesive with positive-sloped, closed-cell foam that ensures any water or condensation found inside window openings will be directed to the outside weather plane of the structure.

Protecto Sill Drainage System (PSDS)

Utilizes a positive sloped closed cell foam profile with back dam that is combined with an advanced waterproofing/wicking membrane that evacuates moisture to the exterior weather plane of the structure.

Advantages:

- **PSDS** peel and stick adhesive allows for ease of application and proper integration with the weather resistive barrier per ASTM E 2112
- **PSDS** meets ASTM E 2112 for flexible sill pan flashing
- **PSDS** helps protect and reduce builder and window manufacturers liability from leaking windows
- **PSDS** exceeds Residential and Heavy Commercial AAMA minimum performance requirements for ASTM testing for Air and Water Penetration of Exterior Windows
- **PSDS** provides protection against structural damage and mold caused by moisture infiltration
- **PSDS** is the only pan system that allows water evacuation through a continuous bead of sealant.

Features:

- **PSDS** protects and reduces Window Manufacturer's and Builders liability
- **PSDS** eliminates costly call backs due to window leaks.
- **PSDS** forms a waterproof barrier under Vinyl and Aluminum Windows
- **PSDS** can be custom fitted and cut to accommodate any window opening.
- **PSDS** is easy to install

PSDS INSTALLATION

1



Apply BT25XL flush with the top edge of the sill, extend beyond rough opening equal to the width of the flashing.

2



Remove release liner and apply the detail tape in each corner of the rough opening. Fold out over the BT25XL.

3



An animated version of the installation
www.protectowrap.com

Damage System

Patent Pending

From Moisture Intrusion



INSTALLATION PROCESS

Measure the width of the rough opening, cut Protecto Sill Drainage System to fit. Apply a 1/4" bead of Protecto Sealant 25XL in corners and install Protecto Sill Drainage System to sill.



Install window with a continuous 3/8" bead of Protecto Sealant 25XL behind nailing flange.



Apply 9" BT-25XL flashing over side jamba and head of window to complete installation.

For further installation details, please refer to website or installation instructional sheet.

Installation process is available at www.protectowrap.com



Protecto Sill Drainage System
Independent Test Results
from Architectural Testing
Incorporated when Installed
with 4°/4° Window

70% of Construction
Litigation is caused
by water intrusion.*

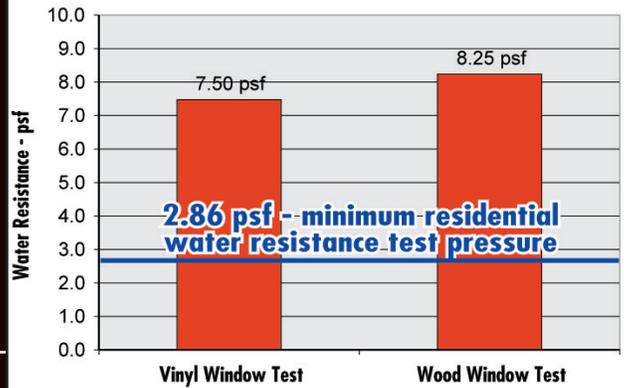
*according to La Jolla Pacific, LTD.,
 Construction Consultants



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PSDS Water Penetration Testing
ASTM E 331 & ASTM E 547



AAMA 101/97 – Minimum Product
Performance Requirements

| Window and Door Classes | Design Pressure | Structural Test Pressure | Water Resistance Test Pressure |
|-------------------------|-----------------|--------------------------|--------------------------------|
| Residential | 15 psf | 22.5 psf | 2.86 psf |
| Light Commercial | 25 psf | 37.5 psf | 3.75 psf |
| Commercial | 30 psf | 45.0 psf | 4.50 psf |
| Heavy Commercial | 40 psf | 60.0 psf | 6.00 psf |

PSDS Air Infiltration Testing
ASTM E 283-99
50 MPH Wind Speed

