



SWIF RACK™

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INTRODUCTION

This document outlines the best practice recommendations for installing the SWIF Rack™ in conjunction with a Duro-Last® Roofing System. A SWIF Rack is not part of the Duro-Last Roofing System, therefore this document acts as a supplement to either a Duro-Last PVC Roofing System Specification or a Duro-TECH™ TPO Roofing System Specification.

The SWIF Rack, named for its base as a “Standoff with Integrated Foot”, is a modular rooftop mounting platform designed to accommodate photovoltaic arrays with minimal rooftop intervention. The height of the system allows for easy access between the photovoltaic array and the roofing membrane.

Refer to the appropriate roofing system specification, as mentioned above, for a complete set of requirements for installing the base roofing system.

All waterproofing components used with the SWIF Rack system will be inspected at the request of the building owner/contractor and included within the Duro-Last Roofing System warranty.

GENERAL PARAMETERS

- Duro-Last is not liable for the feasibility, design, and/or installation of the SWIF Rack system.
 - The SWIF representative will oversee the permit document process with the contractor.
- Refer to the product data sheets (“PDS”) and safety data sheets (“SDS”) of the individual product(s) for application guidelines, requirements, and limitations.
- All Duro-Last Roofing System products must be supplied by Duro-Last.
 - The use of any product not listed in this supplement must be approved by the Duro-Last Engineering Services Department prior to installation.
- All heat (hot-air) welds must be a minimum of 1-1/2 inches (40 mm) wide.
- The roofing system must be installed by an authorized Duro-Last contractor.
- Substrate must be prepped according to the roofing system specification, as mentioned above.

NON-RESIDENTIAL INSTALLATIONS ONLY:

A Duro-Last Technical Representative **must** inspect the Duro-Last Roofing System before a commercial warranty can be issued.

- SWIF Rack systems are usually installed **after** the roofing system installation has been inspected by Duro-Last.
- If the Duro-Last Roofing System has already received a warranty, contact Duro-Last for a **required** new inspection of the waterproofing accessories.

DURO-LAST ROOFING SYSTEM PARAMETERS

Adhere or mechanically fasten the membrane according to the appropriate Duro-Last PVC or Duro-TECH TPO system specification requirements.

The SWIF Rack system is compatible with:

- Any Duro-Last PVC membranes
OR
- Any Duro-TECH TPO membranes

SWIF RACK GENERAL PROCESS

1. Call Duro-Last to begin the process of ordering a SWIF Rack system installation with your roofing system.
2. Duro-Last will connect you with a SWIF representative.
 - a. A SWIF representative will be in contact regarding your project.
 - b. Installer must obtain SWIF-provided certification for installation.
 - SWIF can provide certified installation training or contact an authorized SWIF Installer.

SWIF RACK INSTALLATION PROCESS

1. The SWIF representative will oversee the permit document process with the contractor.
2. The SWIF installer will notate and mark the optimal location for the stanchions to be located, based on the approved permit documents.
3. The SWIF installer will cut through the roofing assembly to access the roof deck at the appropriate locations based on the approved permit documents.
 - Using appropriate tools, access will be cut to measure 2 inches (51 mm) greater (on each side) than the length and width of the intended SWIF stanchions.
4. The SWIF installer will install the SWIF Rack system stanchions per the approved permit documents.

SWIF RACK DURO-LAST MEMBRANE WATERPROOFING INSTALLATION

1. The authorized Duro-Last contractor will reuse or replace the insulation when appropriate, alongside the SWIF Rack system stanchions.
 - a. Fill all voids with insulation and/or spray foam.
 - b. When appropriate, level spray foam after it has risen and set.
2. Use membrane fastening pattern for penetrations according to the details for the chosen roofing system.
3. Install the Duro-Last membrane SWIF Stack Flashing per the PDS or appropriate detail.
 - SWIF Stack Flashings are required for all SWIF stanchion installation locations.
4. If the Duro-Last Roofing System has already received a warranty, contact Duro-Last for a **required** new inspection of the waterproofing accessories.

CONDUIT SECUREMENT PROCESS (After SWIF Rack Installation)

Secure conduits as necessary per local code authority and based on approved permit documents.

- When securement is required, use U-Anchor U1400 and associated accessories to appropriately secure conduit to the deck.
- Contact a design professional for proper quantity and spacing of U-Anchors, per code requirements.