

Roofing Products International Re-Flex TPO Fully Adhered Installation Specification

Part 1 – General

1.01 System Description

A. Fully adhered thermoplastic sheet roof membrane system.

1.02 Specification Designations

A. See Plates.

1.03 Regulatory Requirements

A. Conform to all applicable building and jurisdictional codes, including roof assembly wind uplift and fire resistance requirements.
B. Follow your local jurisdiction requirements for disposing of used and expired adhesives and sealants.

1.04 Delivery, Storage and Protection

A. Deliver products to site in original containers and seals unbroken and labeled with manufactures' name, product brand name and type.
B. Store materials in weather protected environment, clear of ground and moisture, in accordance with RPI's instructions.
C. All materials stored outside shall be raised above ground or roof level on pallets, and covered with a tarpaulin or other waterproof material. Factory- installed plastic wrapping is not an adequate covering. Extreme heat conditions may require special storage requirements. Contact RPI for suggestions.
D. Follow RPI directions and requirements for protection of materials prior to and during installation.
E. Materials that are wet or damaged to the extent that they will no longer serve their intended purpose shall not be used. All roof insulation that has been wet is considered damaged, even if later dried out. Remove all damaged materials from the jobsite.

Environmental Requirements & Restrictions

A. Do not apply roofing materials during inclement or threatening weather.
B. Do not expose materials vulnerable to water or sun damage in quantities greater than can be weatherproofed during the same day.
C. High or gusting winds make the installation or materials difficult.

D. Material installation during periods of high ambient temperatures, typically above 90°F, can result in poor installation quality due to condensation on the membrane surface and excessively fast adhesive drying rates.

E. Material installation during periods of low ambient temperatures, typically below 40°F, can result in poor installation quality due to increased material stiffness and vulnerability to damage and excessively slow adhesive drying rates. To avoid these problems:

1. Store accessory materials in a warming box.
2. Use as soon as possible.
3. Allow adhesive to properly cure.
4. During cool temperatures, use a weighted lawn roller over membrane. Do not install fully adhered system until the temperature is 40°F and rising.

1.05 Working Environment

A. Provide a safe working environment, including, but not limited to, adequate fall protection, restriction of unauthorized access to the work area, and protection of the building and its occupants.
B. Safe work practices should be followed, including, but not limited to, keeping tools in good operating order, providing adequate ventilation if adhesives are used, and daily housekeeping to remove debris and other hazards.

Part 2 – Products

2.01 Membrane

A. RPI Re-Flex TPO (smooth reinforced) thermoplastic polyolefin membrane.
B. RPI Re-Flex TPO Fleece Back Thermoplastic polyolefin membrane.

2.02 Flashings

A. RPI Re-Flex TPO system membrane flashings.
B. RPI Re-Flex TPO Fleece-Back membranes are optional flashing membranes for all RPI Re-Flex TPO roofing systems. These membranes may be a solution when a contaminated substrate is encountered.

