



The RESISTO two-ply roofing system is guaranteed for 20 years against all manufacturing defects. This warranty applies to low slope or virtually flat residential roofs with slopes up to 1/8:12 or 1% that drain to the outside edge and that do not have roof drains. For more details about the terms and conditions of the warranty, consult the warranty form available at home renovation centres.

**APPLICATION CONDITIONS**

The minimum application temperature of the membranes is 50 °F (10 °C). The membranes should be installed on clean, dry surfaces. It is important that products be brought to ambient temperature before use.

**SUBSTRATE**

The substrate must be sound and in good condition. Make sure that there are no protruding nails or screws.

- Plywood
- OSB panels (rough side up)
- Asphaltic panels (RESISTOBOARD)
- \* Tongue and groove boards must be covered with one of the three materials listed above. On new tongue and groove boards, cover only with plywood or OSB panels.
- The slope of the roof must be at least 1/8:12 or 1%.
- The maximum slope for nail-free installation is 4:12 or 30%.

**IMPORTANT :**

For slopes greater than 4:12 (30%), the top edge of the membrane must be mechanically fastened using 1 in (2.5 cm) steel-washed roofing nails every 12 in (30 cm) c/c.

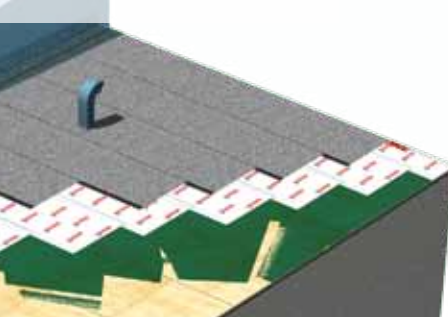
**APPLYING RESISTO PRIMER**

- Mix the primer thoroughly before applying.
- Use a brush or roller to apply a coat of RESISTO PRIMER to a clean, dry surface.

*Note: H<sub>2</sub>O PRIMER is not compatible with RESISTOBOARD asphaltic panels.*

**Drying time**

½ hour to 3 hours, depending on application conditions. The drying time can vary depending on the ambient temperature and the thickness applied, as well as the type of substrate.

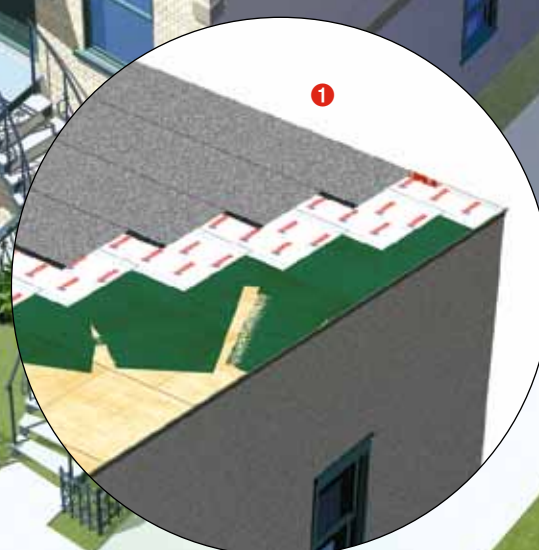


**TWO-PLY SYSTEM**

**Coverage**

- EXTERIOR PRIMER: 1 L covers 32 to 55 ft<sup>2</sup> (3 to 5 m<sup>2</sup>).
- H<sub>2</sub>O PRIMER: 1 L covers 32 to 96 ft<sup>2</sup> (3 to 9 m<sup>2</sup>).
- Coverage may vary depending on the permeability of the substrate.
- The primer is dry when sticky but not messy when touched.

*NOTE: Primed surfaces may be slippery until the primer dries. Be careful when walking on the roof.*



**(FINISHING LOW SLOPE ROOFS)  
TWO-PLY SYSTEM**

**INSTALLING THE RESISTO BASIC WATERPROOFING MEMBRANE (1<sup>st</sup> WATERPROOFING LAYER)**

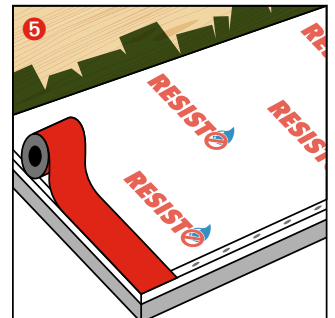
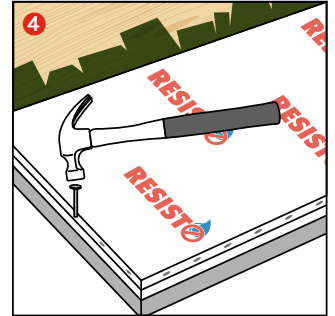
**NOTE**

The BASIC WATERPROOFING MEMBRANE must be installed as the first waterproofing layer before the HR CAP SHEET MEMBRANE. The first strip of membrane must be 20 in (50 cm) wide so the HR CAP SHEET MEMBRANE, which will be installed later, overlaps the joint of the first layer. Fig. 1

- Position the membrane parallel to the edge of the roof, leaving a 3 in (8 cm) overhang on the edge where the gutter will be installed. If the gutter is already installed, apply the membrane beginning at the edge of the roof. Fig. 1
- Unroll and position the membrane.
- Peel back the release sheet on the bottom surface by 12 to 16 in (30 to 40 cm) and fold back 45° to one side. Adhere the uncovered part to the substrate. Fig. 2
- Holding the other end of the membrane, gradually peel back the release sheet and, using a push broom (or other accessory); press the membrane onto the substrate while continuing to slowly peel back the release sheet. Adhere the membrane in the centre first, and then press outward to the edges. Fig. 3
- Apply pressure on the membrane using a metal or hard rubber roller to ensure it adheres completely to the base, taking care to avoid the formation of blisters, wrinkles, and fishmouths.
- Overlap the sides by 4 in (10 cm).
- Overlap the ends by 6 in (15 cm).

**EDGE FLASHING**

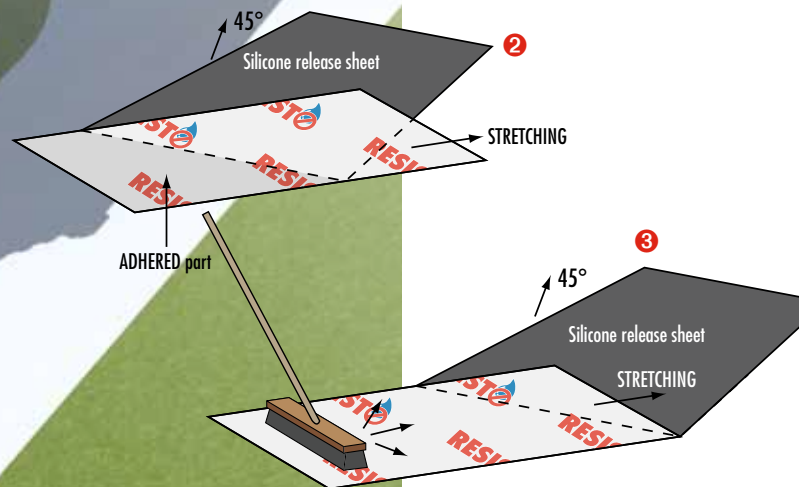
- Once the membrane is installed, attach the metal edge flashing (Fig. 4) Overlap the flashing and the membrane installed along the edge of the roof with a 4 in (10 cm) strip of BASIC WATERPROOFING MEMBRANE or RED ZONE membrane. Fig. 5



**PREPARING ROOF CONSTRUCTION DETAILS (1<sup>st</sup> waterproofing layer)**

Use BASIC WATERPROOFING MEMBRANE or RED ZONE membrane. See the illustrations on page 16 of this guide.

INSTALLATION METHOD CONTINUED ON THE FOLLOWING PAGE.

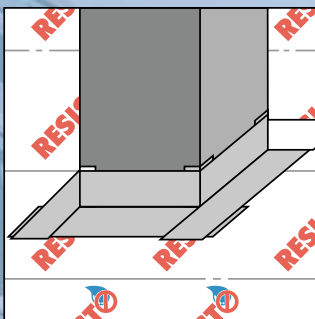
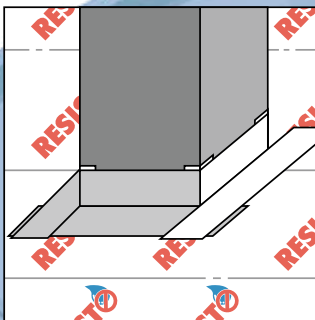
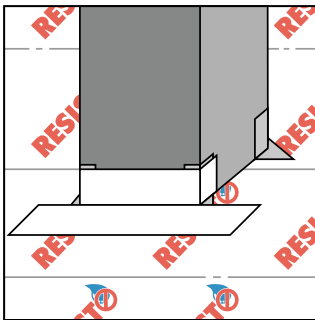
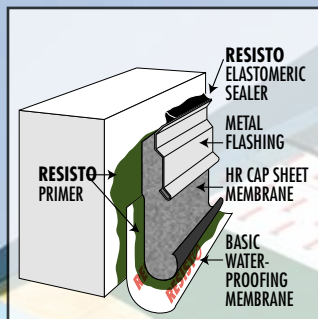
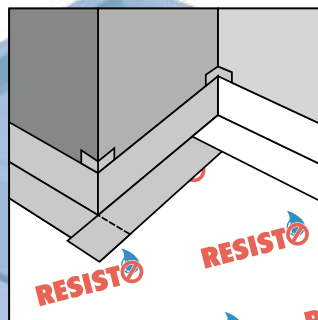
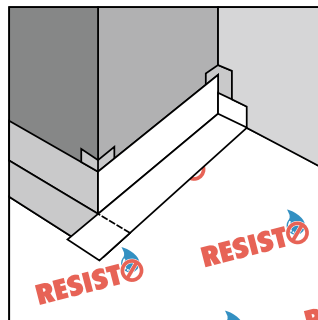
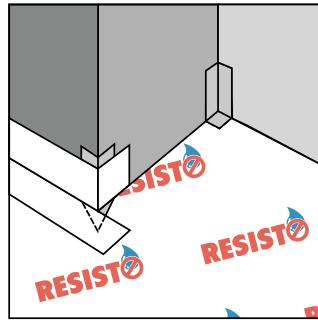


# (FINISHING LOW SLOPE ROOFS) TWO-PLY SYSTEM

For low slope roofs, the HR CAP SHEET MEMBRANE should preferably be installed horizontally beginning at the bottom of the slope.

- Install the membrane directly on the surface to be covered, beginning at the lower edge of the roof. Unroll and position the membrane.
- Fold the membrane back on itself over half its width, i.e., 20 in (50 cm), along the entire length of the prepositioned membrane. Kneel on the unfolded section to make sure it does not shift during this operation. Fig. 6
- Peel back the release sheet from the folded section, letting the membrane fall back on the substrate.
- The self-adhesive surface will come into contact with the substrate.
- Then, fold back the other half of the HR CAP SHEET MEMBRANE and repeat the two preceding steps.
- Immediately press down on the membrane with a metal or hard rubber roller. Fig. 7
- Make sure the membrane adheres completely to the substrate to avoid the formation of blisters, wrinkles, and fishmouths.

For steep slope roofs, the HR CAP SHEET MEMBRANE should preferably be installed vertically by positioning the first strip along one vertical edge of the roof. Unroll the membrane vertically, parallel to the slope of the roof.

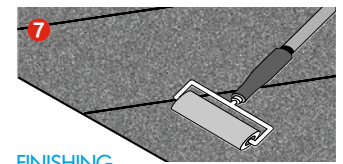
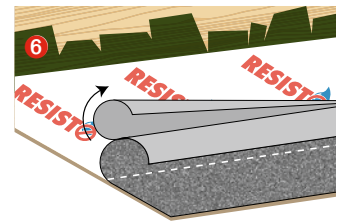
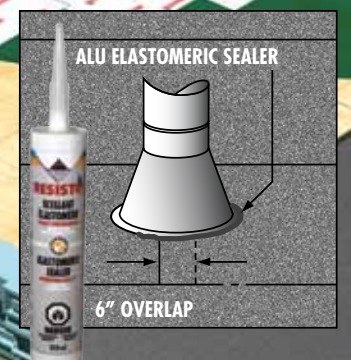
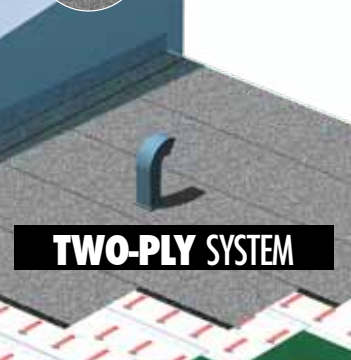
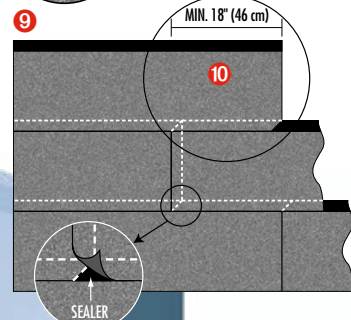
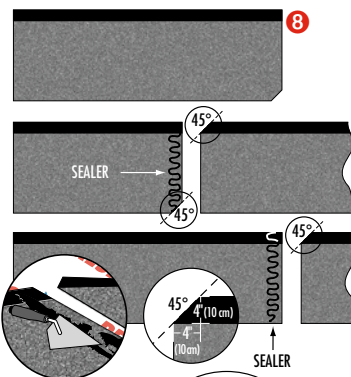


**NOTE**

- Use the selvage (approx. 4 in (10 cm)) to ensure a good overlap of the membrane strips. The overlap must be at the top of the slope.
- Overlap the ends of two strips of HR CAP SHEET MEMBRANE by 6 in (15 cm). First apply enough RESISTO ELASTOMERIC SEALER to cover the granules of the membrane to be overlapped. Fig. 8
- The overlaps of the ends of the membrane must be staggered by 18 in (46 cm). Fig. 10

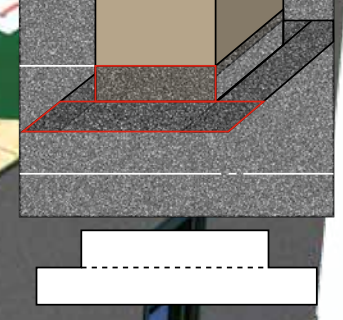
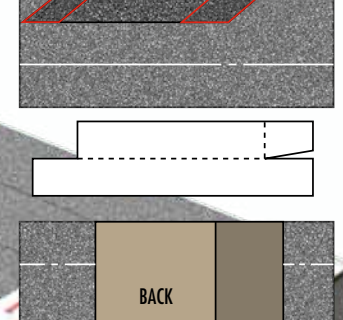
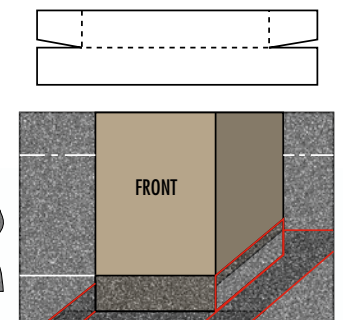
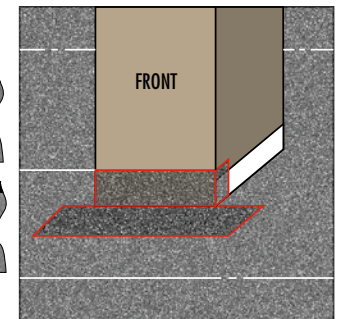
**ASSEMBLY WHERE THREE MEMBRANES OVERLAP**

When three membranes overlap, cut the centre membrane at a 45° angle over a distance of 4 in (10 cm). Fig. 8 9



**FINISHING CONSTRUCTION DETAILS**

1. RESISTOFLASH is an excellent solution for preparing roof construction details. (See page 27 of this guide for application instructions).
2. RESISTO HIGH RESISTANCE HR CAP SHEET MEMBRANE (See details below when using a hot air gun).



**TWO-PLY SYSTEM**