

# (LOW SLOPE ROOFS) SINGLE-PLY SYSTEM

## APPLICATION CONDITIONS

The minimum application temperature of the membranes is 50 °F (10 °C). They must be installed on a clean, dry surface. 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 : 12 or 8%.
- The maximum slope for nail-free installation is 4 : 12 or 30%.

**IMPORTANT :** For slopes over 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.

## 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.

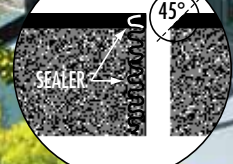
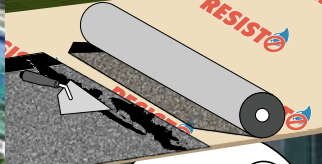
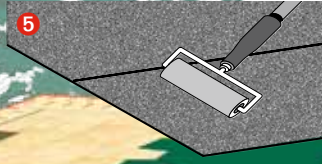
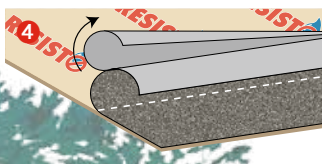
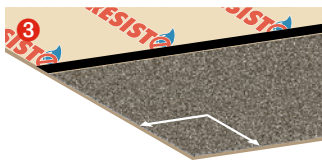
- The primer is dry when sticky but not messy when touched.

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

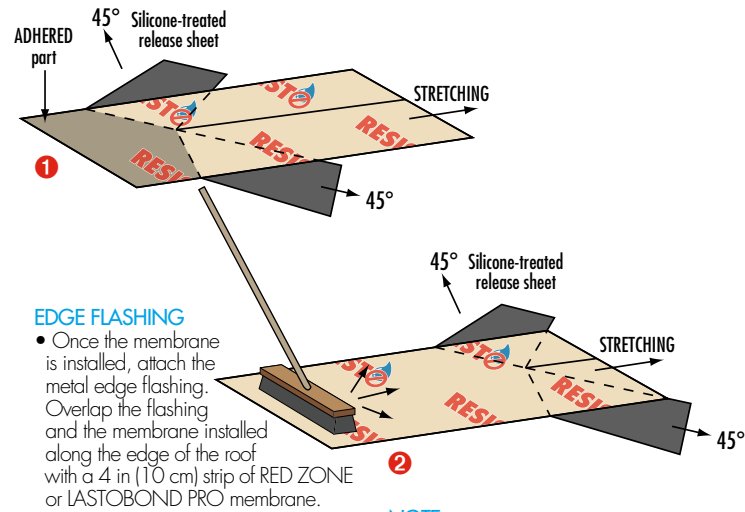
## INSTALLING THE LASTOBOND PRO HT-N or HT-S PERIMETER MEMBRANE

The LASTOBOND PRO membrane must be installed as a reinforcement at the perimeter of the roof and other areas at risk of water leakage such as ridges, valleys, parapets, and upstands of the roof before the HR CAP SHEET MEMBRANE is installed.

- 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. Fig. 7
- If the gutter is already installed, apply the membrane beginning at the edge of the roof.
- Install the membrane two rolls wide at the bottom of the slope (near the gutter) and one roll wide around the remaining roof edge and the construction details. Fig. 7
- 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. 1
- 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. 2
- 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 3 in (8 cm).
- Overlap the ends by 6 in (15 cm).



The RESISTO single-ply roofing system is guaranteed for 15 years against any manufacturing defects that could cause leaks. This warranty applies to all low slope residential roofs that drain to the outside edge and that do not have roof drains. The slope of the roof must be at least 1 : 12 or 8%. For details on warranty terms and conditions, consult the warranty form available at home renovation centres.



## EDGE FLASHING

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

## PROTECTING CONSTRUCTION DETAILS

Use LASTOBOND PRO HT-N and/or RED ZONE membrane. See the illustrations on page 9 of this guide.

## INSTALLING THE HR CAP SHEET MEMBRANE

The HR CAP SHEET MEMBRANE should 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. Fig. 3
- Fold the membrane back on itself over half its width, i.e., 20 in (50 cm), along the entire length of the pre-positioned membrane. Fig. 4 Kneel on the unfolded section to make sure it does not shift during this operation.
- 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. Fig. 4
- Then, fold back the other half of the HR CAP SHEET MEMBRANE and repeat the preceding steps.
- Immediately press down on the membrane with a metal or hard rubber roller. Fig. 5
- 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 and position 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. 6



## PREPARING ROOF CONSTRUCTION DETAILS FOR THE HR CAP SHEET MEMBRANE

- See the illustrations on page 17 of this guide.
- RESISTOFASH is also an excellent solution for preparing roof construction details. See page 27 of this guide for application instructions.

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