

Technical Guide

"The name trusted in roofing since 1906"



How to Install Fully Adhered TPO over PYROXL™

PRODUCT DESCRIPTION

The following application guidelines cover the installation of the Mule-Hide PYROXL™ Roof Panels and the installation of TPO membranes to the PYROXL™ Roof Panels. Mule-Hide's PYROXL™ Roof Deck Panel is a fire-retardant Plywood product that offers exceptional durability in a fire resistant structural building panel are available in a sheet size of 4' x 8'. Aqua Base 120 adhesive is a water based adhesive used to adhere the TPO membrane to the PYROXL™ Roof Panel.

BASIC USES: FOR HORIZONTAL ROOF DECK APPLICATION ONLY!

PYROXL™ Roof Panel Installation:

The PYROXL™ Panel is supplied with the same dimensions (4' x 8' sheets) as standard plywood panels and is installed in the same manner. The long dimension of the panel shall run perpendicular to the roof supports with end joints staggered between courses. PYROXL™ Panels are stamped on two sides. If panels are cut, install panel with the 'stamped' side facing up. Secure PYROXL™ Panels to the deck supports in compliance with applicable building code requirements

TPO Membrane installation using Aqua Base 120 water based contact adhesive:

Aqua Base 120 adhesive is used as a contact adhesive when adhering the TPO membrane to the PYROXL™ Roof Panel.

1. Align the TPO membrane on the deck. Allow the membrane to relax for several minutes prior to applying adhesive.
2. Fold the TPO sheet in half, taking the front to rear or vice versa, or fold in half lengthwise. Make sure not to move the material out of alignment.
3. Always thoroughly stir the adhesive before application. Adhesive should be applied with a thin napped or synthetic paint roller. The adhesive shall be applied at an approximate rate of 100 to 120 square feet per gallon of finished surface. The adhesive must be applied to both the deck and the backside of the TPO membrane. Leave no voids when spreading the adhesive. Actual drying time is dependent on temperature and humidity.
4. The adhesive must be allowed to dry until the adhesive turns translucent and does not transfer to a dry finger touch or pull away from the membrane. The dried adhesive should remain tacky before assembly.
5. When the adhesive is ready, roll the membrane back in place. Avoid wrinkling and trapping air under the membrane. Using moderate pressure, immediately broom the membrane to ensure good contact.
6. Repeat this procedure with the second half of the sheet. Once the sheet is down, thoroughly broom the entire surface again using sufficient pressure to work out any bubbles or wrinkles.
7. When brooming the membrane, always broom starting in the center of the sheet working toward the ends of the sheet.
8. Repeat this procedure with the remaining sheets till the deck is covered. Overlap adjoining sheets 2" inches to allow for welding of the seams. Do not get any adhesive on the areas of the TPO membrane where the seams will be hot air welded.

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INSTALLATION TEMPERATURE

Do not use adhesive if ambient temperature is below 45°F or if nighttime temperatures are expected to fall below 40°F within 48 hours after application.

CAUTION: Adhesive product must be stored above 60° F. The adhesive cannot be used once frozen. Do not let Aqua Base 120 adhesive freeze. It is difficult to clean up when spilled on unrelated surfaces if left to dry. Do not double-stack pallets of adhesive pails. (See MSDS for more information).

CLEAN UP

The adhesive can be removed from hands when wet with water and a light detergent. When dry, use a solvent followed by soap and water.

With spray equipment, use water followed by solvent cleaners, followed by water with detergent. Paint roller covers can be left in material until next usage or cleaned with water when wet.

Material spillage can be removed easily with water when wet. If adhesive has dried, peel off as much surface adhesive as possible and clean area with solvent until removed.

HANDLING

Mule-Hide maintains Material Safety Data Sheets on all of its products. Material Safety Data Sheets contain health and safety information for your development of appropriate product handling procedures to protect your employees and customers. Mule-Hide's Material Safety Data Sheets should be read and understood by all of your supervisory personnel and employees before using Mule-Hide products in your facilities.

STORAGE

Store in unopened original containers at 60° F - 80° F for maximum storage life. Higher temperatures reduce normal storage life. **DO NOT ALLOW TO FREEZE.** Rotate stock.

ADDITIONAL INFORMATION

The information given is subject to change without notice. Always check the Mule-Hide website at www.mulehide.com for the latest information, changes and updates or contact Mule-Hide Products Company at 800-786-1492.