



PV ADHESIVE

PV ADHESIVE* (18C) (PART B)
PV ADHESIVE ACTIVATOR (18C) (PART A)

Order No. A146
Order No. A147

*NOTE: This product is NOT used for vertical applications.

DESCRIPTION & USE

Soprema PV Adhesive is a two-component solar panel adhesive formulated as a solvent free (100% solids) cold process adhesive used to fully adhere solar panels. PV Adhesive is flexible, durable and possesses elastomeric properties that complement the physical properties of solar panel backings. PV Adhesive is applied at full coverage using a squeegee or roller. On Soprastar membranes, the surfacing requires special preparation. Contact the Soprema Technical Department for additional information.

See published Specifications, Installation Instructions and Approved Details.

PACKAGING & COVERAGE RATES

Soprema PV Adhesive Part B is packaged in five (5) gallon (18.9 L) pails which are packaged by weight, not volume. The weight of PV Adhesive is forty-four (44 lbs.) pounds (20 kg). PV Adhesive Part A is packaged six and one-half (6 ½ lb.) pound (3 kg) jugs and are packaged six units per carton. Apply PV Adhesive at a rate of thirty-two (32) wet mils (2 gals. /100 ft²) onto the horizontal substrate. Immediately center and embed the solar panel into the wet (not skinned over) PV Adhesive.

GENERAL APPLICATION INFORMATION

All work surfaces should be clean, dry, free of dirt, dust, debris, oils, and other contaminants that may result in surface that is unsound or uneven.

- Precautions - Keep all pails and jugs in their original, unopened containers until ready for use. Do not apply in wet weather or when rain is imminent or when the PV Adhesive or the substrate may become wet within four (4) hours after applying.
- Temperature - PV Adhesive should be at least 60 °F (15.5 °C) when mixed and applied.
- Surface Preparation - Surfaces to which the PV Adhesive are to be applied must be clean and dry in order to obtain good adhesion. Some surfaces may require adhesion test to be performed. Contact the Soprema Technical Department for additional information.
- Equipment - A one-half (½") inch (13 mm) drill and eight (8") inch (203 mm) paddle mixer is required for mixing. PV Adhesive can be applied with a notched squeegee, roller, trowel, brush, or through an adhesive spreader depending on application.
- Mixing - DO NOT THIN OR MIX BY HAND. Begin mixing each pail using a power mixer as described above. While mixing slowly add in one jug of activator. The two components are pre-measured. DO NOT ESTIMATE PROPORTIONS. Mix PV Adhesive for three (3) minutes after adding the jug of activator.
- Pot Life - After the components are mixed pot life is approximately forty-five (45) minutes. Working time depends on temperature and method of application. PV Adhesive can be accelerated for dual component pump application or for reduced cure times in colder temperatures.



GENERAL APPLICATION INFORMATION

- Application - Apply PV Adhesive in full coverage using squeegees or rollers. Apply stripes using an adhesive spreader. Brushes, trowels or other means can be used for small applications.
- Curing Time - PV Adhesive will cure to a solid within several hours. Cure times are dependent on ambient temperatures.
- Clean Up - Use mineral spirits for clean up of uncured material. Equipment can be treated with a non-stick coating, such as silicone spray, which should allow the operator to peel off any cured material.
- Mix Ratio - 6.1 to 1 by weight and 7.3 to 1 by volume.

APPROVED SUBSTRATES

- Smooth or granular surface modified bitumen membranes.
- On Soprastar membranes the film surfacing must be etched with acetone, removing all traces of gloss from the reflective film.

APPROVALS

See Underwriters Laboratories Inc. File #R11436, FM Approvals, ICC/ES, Miami-Dade County or Florida Building Code Product Approval Listings for current Approved Roof Assembly combinations. Soprema is ISO-9001:2008.

WARRANTY

Contact your local Soprema representative for project warranty offerings.