

## OVERVIEW & FEATURES

Pro-Stop FR is a water-based, non-corrosive intumescent primer used on the wood components of Garland roof assemblies. When applied to flammable substrates then exposed to high temperatures and flame the primer swells up and creates a char-barrier helping to prevent further spread of the fire and smoke. Pro-Stop FR also serves as a non-prescriptive thermal barrier and provides a Class III Vapor Retardancy.

## APPLICATION

**Surface Preparation** - Before and during primer application, the substrates' surfaces shall be dry, clean and free from loose debris, dust, dirt, grease, oil, and all prior coating materials, such as paint, stains and sealers. The substrate shall not have, nor have been exposed to, treatments, chemicals, coatings, etc. prior to the application of Pro-Stop FR.

**Mixing & Storage** - Pro-Stop FR must be thoroughly mixed before use. Mix with a Jiffy Mixer blade for a mixing time of 5 minutes per pail. Use the product as is: DO NOT DILUTE. If the primer is mixed more than 24 hours prior to use, mix it again utilizing the same protocol.

Store Pro-Stop FR between 40°F and 90°F (4.4°C and 32.2°C) and keep out of direct sunlight.

**Application** - Before installing Pro-Stop FR, the applicator shall verify the moisture content of the substrate with a moisture meter. Substrate moisture content should be less than 16% prior to installation. Furthermore, Pro-Stop FR shall be applied to areas within the roofing membrane or surfaces not exposed to weather, where the substrates' inservice dry-use moisture content conditions are expected to be at or less than recommended. Do not leave Pro-Stop FR surfaces exposed to the elements once installed.

Surface and ambient temperatures before and during application shall be 40°F (4.4°C) minimum and shall not exceed 100°F (37.7°C). The primer may be sprayed (airless sprayer) or installed by roller or brush at an application rate of 8 wet mils or 200 sf/gal. For verification of the wet applied thickness, a standard painter's thickness gauge shall be used during the application. The finished dry mil thickness will be 0.40-0.70 times the wet mil thickness.

Dry time is typically 60-90 minutes and cure time is 24 hours minimum, depending on the ambient temperature and relative humidity conditions. Allow Pro-Stop FR to dry completely before installing additional roofing materials.

**Equipment** - Spray equipment must be capable of producing a minimum or 3,300 psi and recommended tip orifice sizes are .025-.027. Removal of filter from both the spray gun and pump to allow for the passage of solid content is recommended. Airless sprayer hoses are recommended to have an inside diameter of ¼" or larger. Variations in spray pattern width and tip size may be required depending on the surface area and the substrate to which the primer is being applied. Cleanup of equipment may be with water or other methods recommended by the equipment manufacturer.

## PRECAUTIONS

- Do not apply when the ambient temperature is below 40°F (4.44°C) or above 95°F (35°C).
- Wear respiratory protection if material is used in a confined space.
- Refer to SDS for more information.
- Must be used over a properly prepared surface.



Technical Data	Pro-Stop FR
<b>Color</b>	White
<b>Dry Time</b>	60-90 minutes
<b>Density @ 77°F</b> (ASTM D1475)	11 lbs./gal.
<b>Cure Time</b>	24 hours
<b>Non-Volatile by Volume</b> (ASTM D1644)	62%
<b>VOC</b> EPA Method 24	18 g/L
<b>Shelf Life</b> Unopened Container	24 months
<b>Coverage</b>	0.5 gal./100 sq. ft. (0.21 l/m <sup>2</sup> ) (8 wet mils)
<b>Packaging</b>	5 gallon pails (18.9 L)

For specific application recommendations, please contact your local Garland Representative or Garland Technical Service Department.

For more information, visit us at: [www.garlandco.com](http://www.garlandco.com)

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Tests verified by independent laboratories. Actual roof performance specifications will vary depending on test speed and temperature. Data reflects samples randomly collected. A ± 10% variation may be experienced. The above data supersedes all previously published information. Consult your local Garland Representative or Garland Corporate Office for more information.