

SOLAR-WRAP™

UV-CURABLE COMPOSITE OUTERWRAP SYSTEM

Description

Solar-Guard™ is a pre-impregnated, multi-directional fiberglass outerwrap which utilizes a UV-curable resin system. It has been designed to be a fast-curing and easy-to-install, jacketing over thermal insulation of pipeworks and tanks for waterproofing and weathering protection of both pipe and insulation. Solar-Guard can be applied at a wide range of temperatures, even very cold conditions, without extended curing times. This has been achieved by using a curing process that utilizes UV light and is relatively independent of temperature. Solar-Guard is provided as a roll of pre-impregnated, multi-directional fiberglass fabric in a UV-stable foil pouch and should not be removed outdoors without proper UV cover. Solar-Guard is an excellent and versatile solution for any industry where quick-action mechanical and environmental protection in adverse conditions is a critical aspect for successful operations.

Typical Applications

- Mechanical protection of pipe and coatings
- Insulation cladding
- Waterproofing
- Tank lining
- Coating sheathing and backing

Benefits

- Controlled curing process
- Application in low temperature environment without extend cure time
- Safer and easier to install than traditional metal cladding
- UV stable
- No field mixing or impregnating required
- Effectively seals out atmospheric conditions, preventing future corrosion
- Custom widths available upon request

Physical Properties

% Solids: 61-65%

Working/Cure Times:

Strong UV (Bright Sun)

- Gels in 15 seconds
- Full Cure in 4-5 minutes

Medium UV (Partial Sun)

- Gels in 25 seconds
- Full Cure in 5-6 minutes

Low UV (Light/Overcast)

- Gels in 45 seconds
- Full Cure in 6-9 minutes

Resin Type: UV Curable Polyester

Resin Application: Pre-impregnated

Service and Application Temperature: -50° to 133° F (-46° to 56° C)

Shelf Life: Limited. For immediate use only.

Warranty

©Neptune Research Inc. (NRI) NRI® is a registered trademark, while Solar-Guard™ is a trademark of NRI. NRI utilizes a process of continuous product improvement for all of our products. While we do strictly adhere to our products' specifications, we routinely implement product improvements. Therefore, please contact your local NRI distributor or office for the most current product specifications. NRI warrants the quality of this product when used according to directions. User shall determine suitability of product for use and assumes all risk. The seller will not accept liability for more than product replacement. SW DS 0315

