

Solar Screen

Solar Varnish

Liquids

Description

Solar Varnish is an alkyd resin-based translucent white heat resistant coating that can be simply applied to glass, polycarbonate and acrylic. This coating blocks as much as 85 % of the sun's heat. Ideal for skylights in factory buildings etc. Solar Varnish contains reflective particles that reflect both UV and infrared light. In addition, the absorption is low, so there will be little radiant heat. The coating is translucent matte, so it is not transparent. The result after application is a milky white, translucent layer. The best installation temperature (environment) is 10°-15°. Do not apply during rainy, foggy or wet weather.
Lifetime 8 years (horizontal: 3-4 years).

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Technical information

Visible light transmission	**25%**
Solar energy protection	**Up to 85%**
UV protection	**90%**
Glare reduction	**80%**
Absorption	**10%**
Consumption / capacity	**30 m² (2 layers)**

Surface Preparation

It is essential to clean the Polycarbonate substrate with detergent / water solution, to remove all traces of dirt, grease, silicone, algae, etc. Use a gentle scrub pad if necessary to remove stubborn areas and ensure the surfaces is thoroughly dry before the paint is applied. Only apply the paint when there is a window of dry weather, up to 4 hours after installation.

Solar Varnish application

Application can be made with Brush, Roller or Spray.

- Primer coat of varnish to be diluted with a white spirit based by
  25% (3 parts paint to 1 part Spirit): it will do the work of a primer.
  Solvent like IPA (Isopropyl Alcohol) can also be used for dilution.
  Wait for the primer coat to be cured
- Apply 1st layer of topcoat (without dilution)
  Wait for the first layer to be dry.
- Apply a 2nd layer of topcoat for maximum efficiency

Drying time has to be determined depending on the weather
conditions.
Testing on a small surface is important before applying on all the
surfaces.

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