

Solar-K

THE SUN PROTECTION LACQUER FOR PROFESSIONALS

SOLAR-K is a sun protection varnish for professionals used to cover transparent or translucent surfaces made of glass, polyester, polyacrylate, and polycarbonate. After drying **SOLAR-K**, is a whitish translucent permanent sun protection, which stops most of the harmful UV rays, while still providing a natural level of visible light.

SOLAR-K is an aqueous-based lacquer, non-flammable and nontoxic (no VOC). Its use is environmentally friendly and protects the professional in charge of its implementation.

SOLAR-K is easily applied on the glass or plastic surface with a spray gun or with a mohair roller, the spray gun achieving better and more evenly results.

SOLAR-K is produced in France according to a specific environmental-friendly formulation.

Main features:

- + Single-component acrylic aqueous-based lacquer
- + Translucent non-yellowing opal lacquer for indoor or outdoor use in a single layer
- + Excellent weather resistance
- + Very good grip on the glass and on the polycarbonate
- + Reflects 55% to 60% of infrared heat, reducing the temperature of local overexposed
- + Reduces glare
- + Reduces the greenhouse effect and the phenomenon of light concentration, thus avoiding the risk of fire by magnifying effect.
- + Stops up to 98% of the harmful UV rays (between 3000 and 3800 Angstroms)
- + Protects goods stored in warehouses against discoloration & UV rays degradation and preserves the plastic siding against aging.
- + Reduces your energy consumption (heating, cooling).



Performances:

- + Protection against heat
- + Reduce greenhouse effect
- + Clarity
- + Durability (weather resistant)

Uses:

- + Glass roofs
- + Canopies
- + Shed roofs
- + Greenhouses
- + Light domes
- + Domes...

Eco design:

- + Acrylic resins in aqueous phase
- + No toxic solvent
- + No VOC

Packaging:

- + Plastic 5-liter cans
- + Minimum delivery: one 5-liter can
- + Delivery by pallet 120x120 with a minimum of five 5-liter cans to a maximum of 100 cans per pallet.

Do not hesitate to contact us with any questions or quote request

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www.Solar-K.com

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APPLICATION GUIDELINES

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Surface preparation:

Washing, leaching, cleaning with soapy water at PH neutral and a sponge like "Scotch Brite" (white, not scratched), rinse with pure water. The duration of this operation should take between 2-3 times more than the duration needed to apply the lacquer.

The support must be perfectly cleaned and dried thoroughly
Prohibit any use of incompatible chemicals with the lacquer

Lacquer application:

Use preferentially a clean spray gun (Airless, pneumatic or electric spray gun) or a mohair roller, so as to spray a very thin layer of lacquer on the entire surface to protect.

- ✚ The spray gun hose must not contain impurities that are often found in devices you might rent.
- ✚ A thin layer is sufficient to reduce heat while allowing light to pass.
- ✚ Consumption: 6-7 m² per liter (with spray gun)

Do not ever dilute with water - Never paint on a support of which the skin temperature exceeds 30 °C

- ✚ Any dilution is prohibited under penalty of performance degradation and loss of the guarantee of « non cracking»

Do not apply on the rubber seals between the plates of polycarbonate.

- ✚ The lacquer contains a plasticizer, which forms a film, once dry. The joints of the support expanding or retracting during variations in temperature can crack the edges of the film and degrade the rest of



the lacquer.

- ✚ The drying time depends on the temperature of the environment where the lacquer is applied. The lower the temperature is, the longest is the drying time, as hereunder indicated:
 - At 20 ° C, the drying time is less than 3 hours
 - At 5 ° C, the drying time is about 24 hours
- ✚ It is forbidden to paint below 5 ° C and above 30 °C
- ✚ Do not apply the paint outdoors in case of risk of rain within **48 hours**
- ✚ Do not apply the lacquer on a support exceeding 30 ° C because the paint could start to powder
- ✚ Ventilation time in indoor use:
 - Take a maximum of 24 hours to ventilate for an indoor use of the lacquer (as indoor temperature is generally between 10 °C and 20 ° C)
 - Ventilation only serves to wick moisture (no fumes of solvent)

Maintenance/stripping/storage:

- ✚ To clean the paint if dirtied by birds or sand rains, use a water jet (high pressure cleaners are forbidden) and a non-abrasive sponge.
- ✚ Use water high-pressure cleaner to remove the cracked paint or a spatula (no chemical pickling).
- ✚ Storage conditions: always above 0 °C
Never use a lacquer which has frozen.