

Liquisol



Technical Data Sheet 4EVER

Product description

Liquisol 4EVER is a solar reflective paint.

This liquid solar control is a water based acrylic varnish which must be applied on the outside of skylights or sky domes fabricated in acrylate, polycarbonate or glass.

4EVER is a liquid material which forms a rug film after drying.

4EVER contains pigments which reflect the infra-red heat of the sun, who absorb the ultra violet light but who are translucent for the visual light.

In this way Liquisol 4EVER will protect buildings from overheating by blocking the solar energy.

Surface preparation

In all cases the surface must be cleaned with Liquisol cleaner called s00p.

The substrate must be tho cleaned an dried befor work.

Application guide

Temperature: Min 10°C relative humidity: max. 80 %.

Surface temperature: min: 10°C – max 35°C

Do not apply at bright sunlight or at high risk of rain or condense.

Drying at 20°C and 65 % RH (relative humidity) :

Rain prove: 1h30; low temperature of high humidity increase the dry period.

Store Liquisol 4EVER in a cool, dry environment. Do not expose to direct sunlight.

Lifetime is at least 1 year in original package, at non freezing place.

Before application, thoroughly mix the paint until the paint becomes an homgenous paste

For application with roller, the paint is ready to use.

For application with Airless spray: spray heat: 1850 of 2190 (0,4 of 0,53mm).Eventualy delute with 2 or 3 % water.

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Performance and limitations

	% Total Solar Energy Rejected	% Visual Light Transmission
PMMA	12	92
+ 1 coat of Liquisol 4EVER	26.1	79.3
+ 2 coats of Liquisol 4EVER	41.2	65.1

Independently tested by Fraunhofer IPA, Stuttgart, Germany

With 1 liter of Liquisol 4EVER, you can cover up to 10 m² with 2 layers.
When dry the paint has an opaque look, a slight purple shine on the outside and a light green shine on the inside.

Liquisol 4EVER interacts with the infrared radiation of the sun, not with the heat of a radiator. Therefore it is solar controlling but not insulating.

VOC information

The EU limit for this product is (Class A/i):2010: 140 g /liter.

The VOC content of these products in ready use form is max.50g/liter.

Health and safety

These products are for professional use only, and are not to be used for purposes other than those specified. The information on this TSD is based on present scientific and technical knowledge, and it is the responsibility of user to take all necessary steps in order to ensure the suitability of the product for the intended purpose. For Health and Safety information please refer to the Material Safety Data Sheet, also available at www.liquisol.com