


Product Information

SurACer® 4450 - Light-curing and Isocyanate-free Doming Resin

The light-curing and Isocyanate-free doming resin **SurACer® 4450** impressively enhances the decorative effect of printed motives on polyester, PVC, and metallic foils as well as on aluminum or plastics.

The innovative material provides completely new combinations of properties, such as:

Isocyanate-free components	↔	Avoidance of skin irritations and ecological load	
Light-curing	↔	Short exposure time	
Very extended pot life	↔	Easy handling	
High transparency	↔	Three-dimensional effect optics	
Stable towards UV and climate	↔	Suitable for outdoor application	
Very good adhesion	↔	High coating life-time	
High flexibility on hard elasticity	↔	Broad field of applications	

SurACer® 4450 doming resin is a solvent-free, low-viscosity protective coating based on a highly reactive SH/en system. The absence of Isocyanate components prevents from skin irritations, often observed with commonly used polyurethane and Epoxy doming resins.

SurACer® 4450 doming resin can be applied either manual or automatic, with continuous or intermittent process techniques in both cases. The tremendous extension of pot-life and elimination of dispenser cleaning-operations (as in the case of Polyurethane systems) improves drastically the economic aspect.

The light-cured **SurACer® 4450** by the SurALux light-curing device, provides transparent, very flexible and optically brilliant protective coatings for either screen-, digital-, sublimation- or transfer printings applications. The short light-curing time of **SurACer® 4450** doming resin shortens the entire manufacturing process required in comparison to state-of-the-art products.

Provide high quality, visual value and that extra feel of luxury to your doming labels, 3D Stickers or any other promotional articles, in any size, shape or color. Give your product its own identification using the **SurACer® 4450** doming resin.

Preparation

Homogeneous mixing of components 1 and 2 (weight ratio 1:2)

Cure

Irradiation 5 - 10 min (depending on thickness) with the SurALux light-curing devices, in formats up to DIN A3

Delivery form

Plastic bottles of 1 kg, 5 kg, or 15 kg content

Storage

The components 1 and 2 of **SurACer® 4450** can be safely stored for at least 6 months at a maximum temperature of 20 °C with light excluded. Its mixture can be safely stored for up to 5 days under refrigerated storage and light excluded



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