TECHNICAL DATA SHEET

GENOVARNISH29	UV VARNISH SILK SCREEN BHS

General Informations

KRUVER UV VARNISH SILK SCREEN HH is a UV curable coating specially designed for Screen applications, suitable for HOT-STAMPING. It can be used on both Rotary and Flatbed Screen applications. Typically this coating has outstanding flow and leveling properties and has excellent curing capability. It creates a smooth, high-gloss, scratch-resistant embossed surface.

Typical End Use:

Magazines, Posters, Brochures, Leaflets, Labels, PVC.

Printable materials:

PVC, PP, PET, PS.

Properties:

Solvent Free, can be further processed immediately.

Re-printable (with coatings)	**Yes**	**Application:**	**Screen Printing**
Re-printable (with inks)	**Yes**	**Suitable direct-food-contact:**	**No**
Hot-stamping suitable:	**Yes**	**Recomended Mesh:**	**43-62**

Technical Data:

Viscosity @ 22°C Brook Field	5000-6000 cps	**Appearance:**	Hazy light violet
Reactivity with 120 W/cm2 Lamp	30mt / min	**Odor:**	Typical
Solid Content	> 100 %	**Cured Appearance:**	Clear embossed film
		Gloss:	90+ at 60° Reflection

Recommended Application:
This coating is designed to for Screen applications. It can be used in both Rotary and Flatbed Screen applications. Recommended application is approximately 15-20 gr/m2 in order to get the optimal performance and gloss.

Processing:
Stir properly for longer time under high shear, making sure that equipment is clean in order to avoid contamination from other materials.

Equipment and Drying:
This coating is designed to be cured at 30mt / min with 1-120 Watt/cm2 lamp. Greater press speed and curing capability may be achieved with additional UV lamps. Substrate may also have an effect on cure speed. Always test coating for compatibility with ink systems, substrates and for sufficient cure before general use.

Cleaning:
Appliance and other equipment can be cleaned with alcohol or other UV cleaning products.

Shelf Life and Storage Conditions:
UV Products must be stored tightly closed, away from sunlight. The optimal storage temperature is between 5°C and 35°C. UV Products are packaged leaving sufficient air space to prevent accidental polymerization of the product.
NORMAL STORAGE DURATION: 1 year

Safety:
UV Products are generally considered to be non-toxicological. However during handling and use the user should avoid inhalation of vapors as well as direct eye or skin contact. UV products can be an irritant to skin and eyes, wash immediately with soap and water if there is direct contact. Protective eyewear and latex gloves are recommended while using this product. Consult the SDS for additional handling and safety information.

Transportation:
Non-dangerous goods. Can be transported in freezing temperatures but product should be brought to room temperature prior to use.

Packaging:
5 or 20 Kg pails.

Considering the many factors involved during processing, such as environmental conditions, different types of substrates, and various uses of the finished product, we strongly recommend that preliminary tests always be carried out in order to prevent possible incompatibilities between products from causing production defects. Our responsibility is limited by the fact that we are unable to exercise any control over the printing process or the correct use of our products.