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FINISHING WITH UV VARNISHES

18



Before the development of suitable UV-curing screen ink systems large scale high gloss varnishing or partial overprinting was not feasible. Then solvent-based or also 2-component varnish systems were used for partial coating by screen process.

This however, was often problematic. On one hand a lamination-like gloss was required, on the other hand the process was supposed to result in a trouble-free production of a large number of stack-proof prints.

UV GLOSS VARNISHES

The main requirement of gloss varnishes is adhesion on a variety of various lamination types combined with high elasticity allowing creasing and folding of the prints. In addition such varnish systems need to be cost-effective. Another necessity is low odour during processing.

UV-CURING VARNISH SYSTEMS FOR TACTILE EFFECTS.

Using corresponding fabrics you can influence varnish or ink application in the screen process. This is not possible with other printing processes, but a basic requirement to achieve tactile effects. Coates Screen Inks offers improved varnish systems.

THE SYSTEMS OFFERED BY COATES SCREEN INKS GMBH ARE:

UV 70/LC

High gloss, highly reactive varnish with a low viscosity used for finishing of prints. Thanks to the low viscosity UV 70/LC is especially suitable for very quick running printing equipment (cylinder printing).

UV 70/LC-HV

Varnish system with medium viscosity and similar properties.

Varnish systems UV/LC and UV 70/LC-HV can be mixed in any ratio. For each individual application an optimal mixture can be made.

Both varnish systems have a low tendency to yellowing and the resulting UV gloss coatings hardly show any yellowness.

UV 70/LC-MT

Sometimes mat or semi-gloss finishes are needed for finishing of offset prints. For these applications UV 70/LC-MT is the best choice. This adjustment shows adhesion on a variety of thermoplastics.

UV 70/L-HV

Varnish system with high viscosity and similar properties. Thanks to the high viscosity UV 70/L-HV is especially suitable for printing of absorbent substrates and results in glossy prints.

UV 70/XT

A reliable UV varnish with very good adhesion even on difficult substrates.

UV 70/511

Relief varnish of medium viscosity, adjusted for medium printing speeds.



UV 70/597

Low viscosity adjustment of UV 70/511 for very quick flatbed and rotation equipment.

These relief varnishes are mainly used for printing of paper, cardboard and PVC materials.



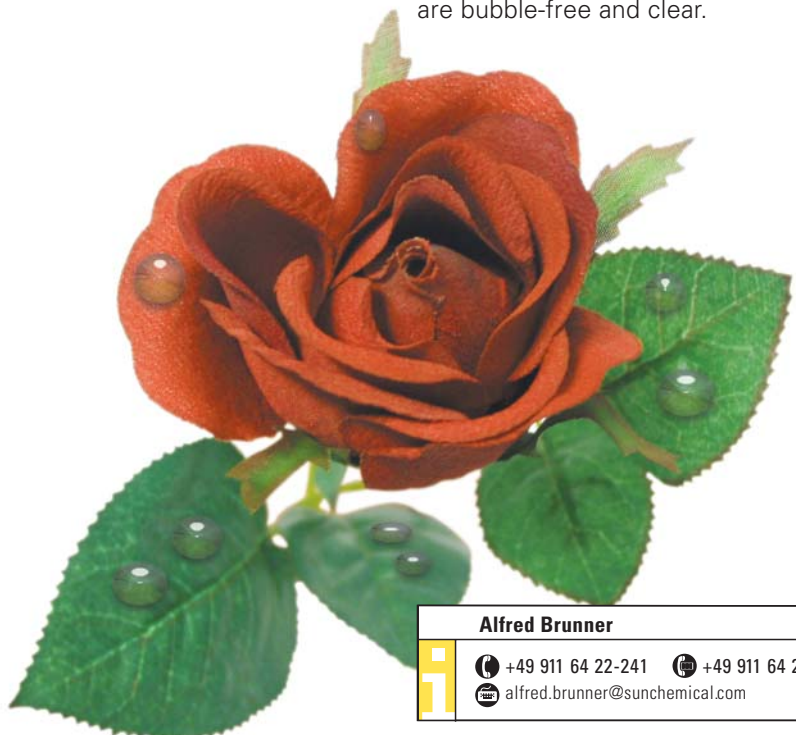
UV relief varnish UV 70/511
Printed on blue text
Ø star 7 mm

NEW UVPO 70/628

For printing on polypropylene and other thermoplastics.

UV 70/683

Another type of relief printing is the so-called application of water drop effects. This system is suitable for best possible forming of water drop shapes. Prints are bubble-free and clear.



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