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# NEW PRODUCTS FOR FINISHING



Screen printers are frequently confronted with the difficult task of applying finish coatings on absorbent materials. Non-coated cardboards and natural papers often have an extremely porous and absorbent surface structure and thus tend to absorb the binding agents of inks and varnishes into the material itself.

This property will lead to some negative effects, especially when using UV products. Due to different degrees of ink and varnish setting you will not have a smooth closed surface. The prints will be spotty, have holes and above all they will not show any gloss. However the contrary, an even and high gloss surface is what you want.

On the other hand the fact that the parts of the UV-binding agents which have set into the material cannot be reached anymore by the UV-light of the radiators and therefore will not polymerize is much more problematic. This is the cause of such problems as reduced adhesion, intense odour and possibly also increase of skin irritation potential.

Hence special products are required for finishing of absorbent paper and cardboard materials.

Coates Screen Inks GmbH has developed two new special products tailor-made for such absorbent materials.

## UV 70/821 Clear UV Varnish

This is a highly transparent, glossy clear varnish containing a choice of special raw materials. Due to the special flow property adjustment UV 70/821 will remain on the surface and hardly penetrate into absorbent materials. The resulting prints show a high degree of gloss.

Depending on the desired effects and type of substrate the product can be processed with coarse or fine fabrics (43-80 to 150-31) and should be cured with an energy of approx. 250 mJ/cm<sup>2</sup> (measured with Kühnast UV-Integrator).



## UVN 60/874-HD UV White, Highly Opaque

The highly opaque white of UVN ink range has also been formulated to show a non-setting property. Processed with 100-40 fabric you will have a good opacity and good curing properties. Curing energy is approx. 300mJ/cm<sup>2</sup> (measured with Kühnast UV-Integrator).

Contrary to standard white UVN/W50 (left picture) which was not specially formulated for absorbent substrates the special ink adjustment UVN 60/874-HD (right picture) will show optimal results on such absorbent materials.

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