

TPF88 TOPFINISH™ MATT

TopFinish is a series of oil-based overprint varnishes to be applied through the ink train of a sheetfed offset press. The TopFinish range of products includes gloss, neutral, matt and silk varnishes.

TopFinish TPF88 is a matt varnish with very good overall properties. Very fast drying leads to a protective film which shows very good mechanical resistance over pre-printed inks and over unprinted paper. Both, the matt effect and the mechanical resistance depend strongly on the film thickness of the applied overprint varnish.

When printing off a wet lithographic plate with fountain solution, TopFinish TPF88 can be applied to reduce the gloss of the print. TopFinish TPF88 dries within a few hours and can therefore not be left in the ink duct. Reduction of spray powder is recommended for wet-on-dry applications. Sun Chemical recommends the use of IR dryers only in combination with waterbased coatings.

The optimum application range of TopFinish TPF88 is print work with good matt effect and excellent mechanical resistance. Target areas are all print jobs with full size or spot coating as magazines, brochures, leaflets, advertising flyers and other commercial print work. Preferred press configurations are straight 5+ colour presses of all makes and sizes where a specific unit for water-based or UV coating is not installed.

TPF88 is the appropriate tool to produce higher value matt print work where water-based coating is no option

working for you.



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CHARACTERISTICS

Excellent mechanical resistance*
 Excellent lithographic stability at all press speeds
 Very fast absorption and setting*

Fast work and turn*
 Good matt effect*
 Very good stack capability*

*Depent on substrate

ENVIRONMENTAL

It is Sun Chemical's policy to reduce progressively ecological impacts and resource intensity throughout the life-cycle of their products. When selecting raw materials we follow strictly the EuPIA Raw Material Exclusion List (www.eupia.org) and respect the CONEG regulation on toxic heavy metals. TopFinish TPF88 complies with EN 71/3 (suitability for toy packaging).

FOUNTAIN SOLUTIONS

TopFinish TPF88 is compatible with a wide range of fountain solutions. Isopropanol (IPA) reduction or elimination is supported.

Sun Chemical recommends the following ideally adapted products:

SunFount™ 410; suitable for 5-7% IPA in normal water qualities

SunFount™ 480; suitable for 3-6% IPA, to prevent roller glazing

SunFount™ 455; suitable for 0-5% IPA, adapted for IPA free printing

The quality of the water and the overall printing conditions have a strong impact on the choice of fountain solution and the level of IPA required. Please consult our technical services for assistance.

APPLICATION INFORMATION AND EXCLUSIONS

TopFinish TPF88 dries by absorption and oxidation. It is compatible with all absorbent substrates and supplied ready for use. The use of additives is not required.

TopFinish TPF88 is suitable for all types of offset printing plates.

→ TopFinish TPF88 is not recommended for sensitive food packaging and outdoor posters or for printing on impervious substrates (films, foils).

→ TopFinish TPF88 is not designed to run on perfecting presses. For this application, the Low Yellowing product TopFinish TPF98 is preferred.

For further detailed application advice please contact our technical services. A Material Safety Data Sheet is available on request.

Our Products are intended for sale to professional users. The information herein is general information designed to assist customers whether our products are suitable for their applications. All recommendations are made without guarantee, since the application and conditions of use are beyond our control. We recommend that customers satisfy themselves that each product meets their requirements in all respects before commencing a print run. There is no implied warranty of merchantability or fitness for purpose of the product or products described herein. In no event shall Sun Chemical be liable for damages of any nature arising out of the use or reliance upon this information. Modifications of the product for reasons of improvements might be made without further notice.

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