

TPF90 TOPFINISH FINASEAL NEUTRAL

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 TPF90 is an overprint varnish with good overall properties for straight printing. Fast drying leads to a protective film which shows good mechanical resistance over pre-printed inks and over unprinted paper. Prints coated with TPF90 allow a fast work and turn or further processing (cutting, folding, stitching) in the book bindery. Both, the setting time and the mechanical resistance depend strongly on the film thickness of the applied overprint varnish.

TPF90 can be used with or without fountain solution. Spray powder must always be applied for wet-on-wet applications. For wet-on-dry applications the dosage of spray powder shall be kept to minimum. TopFinish TPF90 dries within a few hours and can therefore not be left in the ink duct. Sun Chemical recommends the use of IR dryers only in combination with waterbased coatings.

The optimum application range of TopFinish TPF90 is print work with very good mechanical resistance. Target area 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.

TPF90 is the perfect alternative to seal a commercial offset print when water-based coatings are no options.

working for you.



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CHARACTERISTICS

Good mechanical resistance*
Excellent lithographic stability at all press speeds

Fast drying*
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 TPF90 complies with EN 71/3 (suitability for toy packaging).

FOUNTAIN SOLUTIONS

TopFinish TPF90 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 TPF90 dries by absorption and oxidation. It is compatible with all absorbent substrates and supplied ready for use. It maintains the gloss level of the substrate. The use of additives is not required.

TopFinish TPF90 is suitable for all types of offset printing plates and for inline and offline application.

- TopFinish TPF90 is not recommended for sensitive food, pharmaceutical and cosmetic packaging or for printing on impervious substrates (films, foils).
- In-line or off-line applicable

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

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