

TPF96 TOPFINISH™ PERFECT GLOSS F1500

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, matt and silk varnishes.

TopFinish TPF96 is a gloss varnish based on vegetable oils. It is used for straight and perfecting printing. Very fast drying leads to a protective film which shows excellent mechanical resistance over pre-printed inks and unprinted paper. Both the gloss and the mechanical resistance depend on the film thickness of the applied overprint varnish.

Using an innovative resin combination TPF96 shows very little yellowing after printing. Please note that the effect of yellowing depend on the varnish and the substrate itself which might lead to yellowing even in unvarnished areas of the print.

When printing off a wet lithographic plate with fountain solution, TopFinish TPF96 can be applied to create matt and gloss effects. TopFinish TPF96 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.

Due to the effective oxidative drying TopFinish TPF96 is not recommended for food, tobacco, pharmaceutical or cosmetic packaging where Low Odour is an important requirement. All TopFinish products including TopFinish TPF96 comply with industrial standards including EN 71/3 (Toy regulations) and CONEG (Regulation on toxic heavy metals).

Characteristics

Very fast drying	Drying by absorption and oxidation
Excellent printability at high press speeds	Excellent mechanical resistance (dependent on substrate)
Excellent water stability	Very good stack behaviour
Suitable for paper and cardboard	Excellent gloss
In-line or off-line applicable	

Fountain solutions

TopFinish overprint varnishes are compatible with a wide range of fountain solutions with and without isopropanol (0-12%). Sun Chemical recommends the following ideally adapted products:

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

SunFount 430; suitable for 5-7% IPA, where a reduced tendency to roller glazing is required

For printing at 0-5% alcohol and for assistance in choosing the fount additive best suited to the printing conditions and water, please consult our technical services.

Additives and press auxiliaries

TopFinish TPF96 is supplied ready for use. In case of short breaks and press stops it is advised to apply the anti-oxidant spray Ergolin H 3967 to delay the oxidative process.

Additional information

Do not use oil based overprint varnishes in glue flaps or binding strips.

Ink packaging

TopFinish TPF96 is supplied in 2.5 kg vacuum sealed tins and 200 kg straight sided drums.

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