

TPF99 TOPFINISH™ HIGH GLOSS F1100

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

TopFinish TPF99 is an overprint varnish to achieve highest possible print gloss. Fast drying leads to a protective film which shows very good mechanical resistance over pre-printed inks and over unprinted paper. Both the gloss 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 TPF99 is privileged to create matt / gloss effects. TopFinish TPF99 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 TPF99 is not recommended for food, tobacco, pharmaceutical or cosmetic packaging where Low Odour is an important requirement. All TopFinish products including TopFinish TPF99 comply with industrial standards including EN 71/3 (Toy regulations) and CONEG (Regulation on toxic heavy metals).

Characteristics

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

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 TPF99 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 TPF99 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.