

TOP FINISH ART

A NEW WAY TO ACHIEVE SPECIAL EFFECTS WITH PARTIAL COATING

The „**TOP FINISH ART**“ concept is a new solution for everyone faced with the challenge of partial varnishing with waterbased dispersion varnishes.

The „**TOP FINISH ART**“ Matt/Gloss-Effect concept allows a wide variety of creative applications. „**TOP FINISH ART**“ is especially recommended for the printing of brochures, magazines, catalogues, high quality print work where partial varnishing requires high skills not only for the register quality but also for the finesse in the smallest details (fine lines, writing, halftone, etc.).

PRODUCTS TO BE USED

174953	MATTL. TOP FINISH ART GA:CF01 Offset Matt Varnish
S-56634	PRESTOFIX TOP FINISH ART:GL01 High Gloss waterbased dispersion varnish

PRINCIPLE

The special “**TOP FINISH ART**” Offset Matt Varnish is to be applied in the last printing unit.

The areas which are to appear glossy need to be omitted on the offset plate.

The “**TOP FINISH ART**” High Gloss waterbased varnish is then applied over the whole area in a standard coating unit.

The “**TOP FINISH ART**” High Gloss waterbased varnish will be dripped off (repelled) at the areas where the “**TOP FINISH ART**” Offset Matt Varnish has been printed, which results in the required Matt/Gloss-Effect.

APPLICATION CONDITIONS

- Offset press with a minimum of 5 printing units plus a chamber doctor blade coating unit and a prolonged delivery device.
- The prolonged delivery device must be equipped with a powerful hot air drying unit and a suction device for the humid air that is generated. The IR drying unit needs special attention (only one dryer set to 10-15 % of the maximum capacity should be sufficient).
- Based on experience up to today, a very high gloss value is achieved by using graved cylinders with a 60° gravure and a volume of 9 or 13 cm³/m².
- The achieved gloss value is depending as well on the quality of the paper. High quality gloss papers with regular surface have been successfully used and are therefore recommended.



EXPERIENCES

- The High Gloss waterbased varnish should be prepared as late as possible in order to prevent thickening due to evaporation of the volatile components. A running time of more than one hour, addition of 1 % water is recommended in order to keep stable the original viscosity.
- Maximum speed is 8000 to 9000 sheets/h.
- Stack temperature should not exceed 30°C.
- The „**TOP FINISH ART**“ Offset Matt Varnish requires fount dosing of 30% over the normal setting and in order to achieve optimum plate wetting, the fount should contain at least 5 % IPA.
- Silicone Coated Starch (WL) has been used successfully.
- For two side printing, airing of the stack is required approximately 30 minutes after the first pass. Reversing/airing for the second pass should be after another 2 hours.
- 30 Minutes after the second pass, the stack should be aired again in order to reduce the temperature as well as the added humidity (from waterbased dispersion varnish). This will prevent from blocking.

TECHNICAL INFORMATION

For the planning of a first „**TOP FINISH ART**“ printing trial, it is recommended that all personnel involved (pre-press, printer), as well as our Technical Service Representative is present.

PACKAGING

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| 174953 | MATTL. TOP FINISH ART GA Offset Matt Varnish
available in 2.5 kg VAC tins. |
| S-56634 | PRESTOFIX TOP FINISH ART High Gloss waterbased dispersion varnish
available in one-way 25 kg cans and 125 kg barrels. |

The information printed on these sheets is supplied in good faith and is based on experience in the use of inks. Such information is thus intended only as a guide and can not be taken as legally binding.

