

Nazdar Scratch Off / UV Clear base

Nazdar Scratch Off

Nazdar SCF35 Scratch Off inks are tunnel drying, opaque solvent-based scratch off inks.

Application

SCF Scratch Off inks are specially formulated to be printed on lottery tickets and games that are typically given away by retail outlets. This ink forms a very opaque film that hides the prize until the ink is removed by scratching with a fingernail or coin. Can also be used when the underprinted ink forms a relief that must be covered up.

General

Nazdar SCF35 Scratch Off ink is easy to use and covers up relief of underlying ink to prevent a 'braille' effect when used in combination with PSLC294 UV Litho overprint clear.

Drying

The SCF35 Scratch Off inks dry by evaporation of the solvents. The ink is hand dry after approx. 15 minutes and stackable after 30 minutes - 1 hour when air dried. When tunnel dried, the drying time is dependent on the tunnel temperature, fineness of the gauze, type of thinner, qualities of the material to be printed etc. The optimum proportion of temperature-conveyor belt speed in the tunnel must be found through experience. A guide-line is: 20-40 seconds in a drying tunnel with well-functioning air circulation and cooling sections at 55-65 C°.

Gloss

The SCF35 Scratch Off ink is matte.

Mesh and ink usage

For most purposes, best results are achieved using 43 – 77 T mesh. Ink usage will then approximate 14 - 23 m²/l.

Thinners

The Scratch Off inks are ready-to-use. *zijn gebruiksklaar.* Before use, stir the ink well. If necessary, 10% **Thinner 5500** can be added for machine printing. Using other thinners may negatively affect the scratching properties of the ink. Thick ink is easier to scratch off than thinned ink.

Films

All direct, indirect and capillary films for solvent-based inks can be used.

Mesh cleaning

Mesh should be cleaned immediately after printing. We recommend using Screenwash LOD or Screenwash GA.

Nazdar UV clear base

Nazdar PSLC294 UV Litho overprint clear is a UV drying overprint varnish.

Application

Nazdar PSLC294 UV Litho overprint clear is used as an underprint varnish for the Nazdar SCF35 Scratch Off inks.

Drying

In most tunnels that are equipped with 80-120 Watt/cm uv-lamps, the varnish polymerises well. Conveyor belt speed 30-38 M/min. Speed at which the ink polymerises is dependent on power of lamp, heat, conveyor belt speed and thickness of inkfilm.

Mesh

For most purposes, a 120-165 (T) mesh is best.

Test prints

Please, continually make test prints before moving on to printing the complete order.

This technical information is meant to be a guideline. Even though the information is given after detailed examination and to the best of our knowledge, AGA Color Solutions Europe b.v. can take no responsibility for it.