

Scratch Off 600

Type

The Scratch Off 600 inks are tunnel drying, opaque scratch off inks.

Application

To make scratch cards on paper or cardboard that has been printed with SET 4000 underprint varnish. Can also be used on press (flood) varnish that has been applied in offset. Always test first.

General

The SO 600 ink series dries quickly yet does not dry into the mesh. Its high opacity ensures total coverage of text and symbols printed underneath.

Drying

The SO 600 inks dry by evaporation of the solvents. When air dried, the ink is hand dry after 15 minutes and can be stacked after 0.5 - 1 hour. When tunnel dried, high production speeds can be realised at low drying temperatures. The drying time is dependent on the tunnel temperature, fineness of the mesh, type of thinner, qualities of the material to be printed etc. The optimum proportion of temperature-conveyor belt speed must be found through experience. A guide-line is: 15-40 seconds in a drying tunnel with a good air circulation at 55-65 C°.

Gloss

The inks are matte.

Ink Usage

Scratch off ink with 62-64 - 90-40 T mesh: 20-30 m²/l
Underprint varnish with 77-55 - 100-40 T mesh: 35-55 m²/l

Thinner

The scratch off inks are ready-to-use. Stir well before use. If deemed necessary, max. 5% Thinner 1 can be added for machine printing.

Using any other thinner may cause the ink to adhere to the varnish underneath, which will make it more difficult to scratch off. Better results will be achieved when using a thick than when using a thin ink.

The SET 4000 Underprint varnish should be thinned using 25-30% of Thinner 51 for machine printing.

Mesh

Scratch off ink: 62-64 - 90-40 T, best results using 62-64 T on a varnished, even substrate.
Varnish: 77-55 - 100-40 T, depending on absorption of paper or cardboard.

Films

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

Mesh cleaning

Mesh should be cleaned immediately after use. We recommend using Screenwash LOD or Screenwash GA.
It is possible to use the thinners compatible with this ink series, though they are less effective.

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.