Innovative Inks & Functional Lacquers

Pröll

Norilux® FastCure 1 – formable, abrasion and chemical resistant protective lacquer

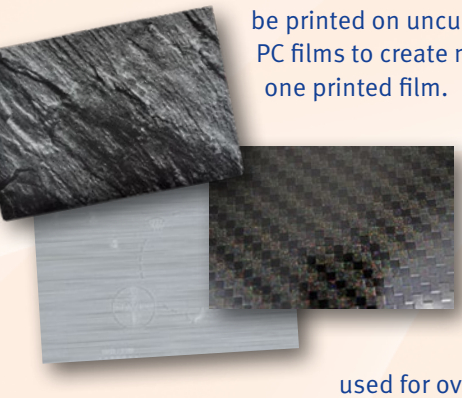
more reactive formulation – curing with reduced UV dose

Norilux® FastCure 1 is a formable, abrasion and chemical resistant dual-cure screen printing lacquer, which can be used as a protective lacquer or hard coat for first surface protection of products manufactured in IMD/FIM technology using PC and PMMA films.

Versions

The glossy version of the dual-cure lacquer Norilux® FastCure 1/001 can be printed on textured film surfaces to produce abrasion resistant and transparent display windows.

The matt version Norilux® FastCure 1/002 can be printed on uncured transparent hard coat PC films to create matt and gloss effects on one printed film.



Besides the high gloss version, various satin gloss, textured and matt grades versions are available.

The dual-cure screen printing lacquer can be used for overprinting UV curing and solvent-based screen printing inks (pretests are necessary).

Processing

Norilux® FastCure 1 must be dried in jet/tunnel dryers followed by box oven drying. Before further processing of the printed films, it is necessary to remove nearly all solvent residues from the layer of lacquer and substrate.

Films decorated with Norilux® FastCure 1 can be 3D formed after the drying process by high pressure forming or thermo-forming.

UV Curing

Afterwards, the formed films must be UV cured. For this, depending on the thickness of the lacquer layers, a **UV dose of 600 mJ/cm²** is required (Kühnast UV-Integrator, UV 250–410 nm, max. 365 nm).

Resistances

The cured lacquer layer shows excellent resistances to abrasion, chemicals and cleaning agents and passes various creme tests of the automobile industry.

Applications

In automotive interior, center stacks, touch panels and decorative trims are first surface protected with Norilux® FastCure 1. Even mobile phone covers, sanitary panels and displays for household appliances are overprinted with the highly resistant lacquer.

www.proell.de

Pröll GmbH · Treuchtlinger Str. 29 · 91781 Weissenburg / Germany · Phone +49-9141-906-0 · info@proell.de · www.proell.de