

# Innovative screen printing lacquers for industrial applications



## Norilux® DC

Norilux® DC 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, PMMA, ABS, and PP films.

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

The matt version of Norilux® DC can be printed on uncured transparent hard coat films such as Makrofol® HF 312 to create matt and high gloss effects in one item.

Besides the high gloss Norilux® DC lacquer, various matt grades and UV-stabilized versions are available as well.

Norilux® DC dries by evaporation of the solvents in jet/tunnel dryers. Films decorated with Norilux® DC can be high pressure or thermoformed after jet/tunnel drying and then box oven drying. Following drying, the formed films must be UV cured.

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



Sanitary panels first surface decorated with Norilux® DC matt. Second surface decoration on Makrofol® DE 1-1 was printed with the IMD/FIM ink system NORIPHAN® HTR N.

Decorative trims, first surface protected with Norilux® DC. Second surface decoration was printed with the IMD/FIM ink system NORIPHAN® HTR N.

## NoriCure® HC-1

NoriCure® HC-1 is an UV curing screen printing lacquer with excellent scratch and abrasion resistance.

The high gloss UV lacquer is designed for printing on PC films, coated PET films, various rigid PVC films, and for overprinting.

The lacquer protects displays, lenses and panels.

The cured lacquer shows excellent resistances to chemicals and cleaning agents. Besides the high gloss NoriCure® HC-1, matt (NoriCure® HC-1/001), textured (NoriCure® HC-1/002) and UV-stabi-

lized (NoriCure® HC-1/003) versions are available.

## NoriCure® UV L53795

NoriCure® UV L53795 is an overprinting varnish for exterior applications as it protects printed ink layers and is outdoor resistant.

The UV curing screen printing lacquer can be used for overprinting solvent-based ink systems (e.g. NORIPHAN® HTR N, NORIPHAN® N2K, NoriPET®) as well as for printing on self-adhesive PVC films and rigid PVC. It is not suitable for printing on inks which contain silicones.

## NoriCure® UV-L 2

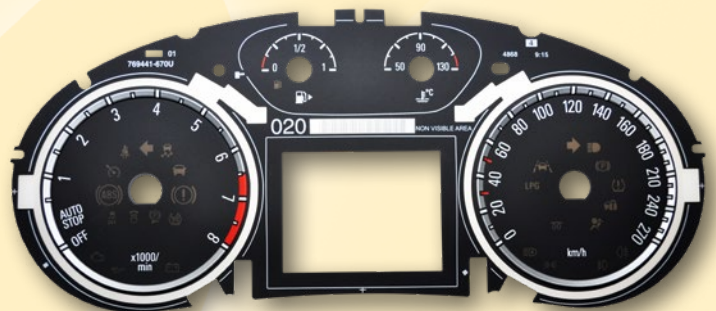
NoriCure® UV-L2 is designed for printing on paper, cardboard, rigid PVC, PVC self-adhesive films and for overprinting of printed products in selected applications. Pre-tests of individual printing conditions should always be completed. A matt version is available as NoriCure® UV-L2/001 and a high gloss lacquer as NoriCure® UV-L2/002.

## Overprint Lacquer L67469

The glossy, water-based screen printing lacquer is used for overprinting water-based screen printing inks.

## Matt Lacquer ATM 1 and Matt Lacquer ATM WB 6

Matt Lacquer ATM 1 (solvent-based) and Matt Lacquer ATM WB 6 (water-based and UV-stabilized) are formable matt lacquer systems for overprinting speedometer panels. Printed films are excellent candidates for vacuum or high pressure forming. Both matt lacquers can be used for matting high gloss films made of PC, pre-treated PET and rigid PVC. The screen printed deep matt lacquer surface has a soft feel and shows excellent scratch and chemical resistances.



## Nori® Protect XCP

Nori® Protect XCP is a glossy, solvent-based and weather resistant two-component screen printing protective lacquer with good chemical and mechanical resistances.

Nori® Protect XCP is suitable for printing on polycarbonate, rigid PVC, polystyrene, ABS, SAN, pre-treated PET films and corona-treated polyolefins (PE and PP) as well as for metal and aluminum.

Decorated surfaces can be protected by overprinting with Nori® Protect XCP. The ink layer is formable on selected substrates.

The lacquer is user-friendly as it is free of aromatic compounds, cyclohexanone and phthalates.

