



NoriCure[®] UV-L 3

scratch resistant

UV Curing Screen Printing Lacquer

Area of Application	NoriCure[®] UV-L 3 scratch resistant is designed for printing on PC-film, coated PET-films (e. g. Autotype Autoflex EBG 180, Autotex V200), diverse PVC substrates and after pre-tests for overprinting of printed products.
Characteristics	NoriCure [®] UV-L 3 scratch resistant offers: <ul style="list-style-type: none">- excellent scratch and abrasion resistance- excellent resistance to chemicals- press ready formulation, hence easy processing- good screen stability, no drying in the screen- high gloss- good adhesion to UV, solvent and water-based screen printing inks as well as offset inks
Important	<p>Printing results, to a large extent, depend on the substrate as well as the printing and application conditions. We recommend checking your printing materials under your conditions of use before performing any production runs. Materials that are supposed to be identical may vary from manufacturer to manufacturer and even from batch to batch. Substrates and printing inks may have been treated with or contain sliding agents, antistatics or other additives which may impair the adhesion of the lacquer.</p> <p>When using NoriCure[®] UV-L 3 scratch resistant the compatibility between the lacquer and the ink system to be overprinted must be tested. Tests concerning adhesion and scratch resistance as well as the suitability for further processing or converting steps are necessary.</p>

Mesh	Polyester fabrics of 140 – 180 threads/cm (355 – 460 threads/inch).
Stencil	Solvent resistant emulsions must be used. Excellent results during long production runs are achieved by using Pröll emulsion Norikop 2 FP.
UV Curing	For curing the lacquer system (mesh: 150-31 Y threads/cm, 380-31 threads/inch) a dose rate of 400 mJ/cm ² = 2580 mJ/square inch (Kühnast UV-Integrator, spectrum of wave length 250 – 410 nm) is necessary. Depending on mesh count, substrate, and coloration of the substrate, the required dose can vary.
Overprinting of Inks	Overprinting of inks is possible, but due to the mentioned parameters, the compatibility of the systems has to be checked before starting any production runs. Complete curing will be achieved after 24 hours. Several Pröll ink systems can be overprinted, e.g. NORIPHAN® HTR, NORIPHAN® N2K, Aqua-Jet® FGL M.
Cleaning	Screens and utensils should be cleaned with UNI-CLEANER FP61.
Shelf Life	Allow the lacquer to adjust to room temperature in the closed container before use. The shelf life stated on the label assures the product's quality and refers to unopened original cans stored in a dry place at temperatures between 5 °C (40 °F) and 25 °C (75 °F).

Before starting a production run, it is necessary to test samples of each newly designed part systematically with regard to the specifications for the intended use (e. g. climatic chamber, resistance, etc.).

The information contained in the technical information/instruction sheets or other product information sheets is based on product testing conducted by Pröll. Because printing and environmental factors critically affect each individual ink application, the above mentioned information and instructions represent only general recommendations concerning product characteristics and directions for use and should not be construed as representing express warranties regarding the product. The information and instructions in no way release the purchaser from his obligation to verify and test the inks and their application for the specific request, regarding: product characteristics, weather resistance, mixing proportions, gloss, thinning, special mixtures, printability, drying speed, cleaning, effects on or of other materials to be contacted and safety precautions. All details contained in the instruction sheet "General Information on Screen Printing Inks" are to be considered. The further manufacture and use of products containing our inks by the purchaser takes place beyond our control, and the responsibility for further application and use of our product resides solely with the purchaser. Pröll disclaims any warranties, express or implied.

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