



Screen Printing Inks for a Variety of Applications and Substrates





Proell offers a broad range of one and two-component ink systems for printing and coating products in industrial and graphic screen printing.

JET® 200

Satin gloss screen printing ink for use on rigid and soft PVC, acrylics and polycarbonate. JET® 200 is used primarily for production of speedometer panels.

Thinner M 204

Norifin® PP N

Satin gloss screen ink for printing on untreated polypropylene.

Thinner F 008

NoriGlass OR

NoriGlass OR is an outdoor resistant 2-component glass decorating ink.

This screen printing ink is suitable for the second surface decoration of glass, particularly for symbols of touch switches and for backlit displays for outdoor applications.

Thinner S 402

Glass Hardener 042

NoriGlass TP

NoriGlass TP is a glossy cyclohexanone and silicone free two-component screen

printing ink for the second surface decoration of glass.

This ink has been developed for the manufacture of backlit touch panel displays. This organic stoving ink provides very high resistance towards chemicals and abrasion.

Thinner S 402

Glass Hardener 044

Norilit® CS

Satin gloss ink system for printing on lacquered and powder coated materials, and on certain UV coated substrates.

Thinner M 215

Hardener 002

Norilit® U

Glossy screen ink for printing on metals, pre-treated polyester films and polyolefins, polycarbonate, powder-coated and lacquered metals. Thermo-formable and chemically resistant, Norilit® U is used for the production of membrane switches.

Thinner M 202

Hardener 002

Norilit® U-SG

Satin gloss screen printing ink for use on metals, untreated polyester films, pre-treated polyethylene and polypropylene, polycarbonate and coated substrates.

Thinner M 202

Hardener 002

NoriPlan®

Glossy, elastic one-component ink system with excellent weather resistance. Especially developed for decoration of tarpaulins for trucks and banners.

Thinner M 205

Noriprint® PS

Very fast drying, satin gloss ink for printing on polystyrene, ABS and SAN, PVC and polycarbonate.

Thinner M 211

NoriPUR®

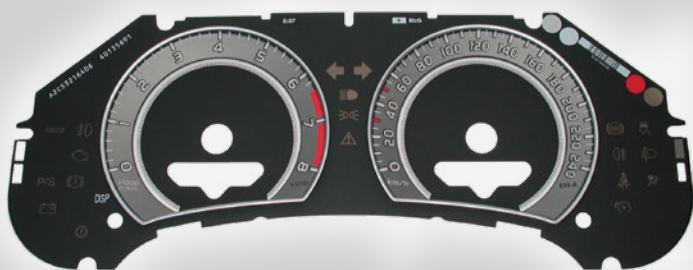
Glossy one or two-component ink for PVC, pre-treated polyester and polyolefins, acrylics, polycarbonate, wood, metal and for use after pre-testing on polystyrene, ABS and SAN. Processed as two-component ink, NoriPUR® displays excellent resistance to chemical and mechanical influences and is suitable for outdoor use.

Processed as two-component ink, NoriPUR® shows excellent resistance to chemical and mechanical influences. Highly opaque color shades for printing on dark substrates are available from stock.

Adhesion Promoter 103 can be added (instead of hardener) to achieve better adhesion to certain hard coated or TPU materials.

Thinner M 202

Hardener 002



**Innovative Inks &
Functional Lacquers**



NoriScreen® ALU

NoriScreen® ALU is a solvent-based two-component screen printing ink for printing on metals and pre-treated PET films. Due to the silicone-free formulation, NoriScreen® ALU can be used for the manufacture of high quality transfers and decals. NoriScreen® ALU is free of cyclohexanone and formulated without aromatic solvents.

Thinner M 212

Hardener 004

Sorte P

Glossy screen printing ink for polystyrene, ABS and SAN, acrylics and polycarbonate. Sorte P was developed especially for materials sensitive to solvents and which are prone to stress cracks.

Thinner F 010

Hardener 002

Thermo-Jet®

Glossy multi-purpose ink for rigid and soft PVC, acrylics, polycarbonate and pre-treated polyester. The fast drying Thermo-Jet® ink displays good printability and high resistance to chemicals and abrasion. The ink system is used for the production of membrane switches and thermoformed backlit signs.

Thinner M 204

Hardener 001

Thermo-Jet® CFI

Glossy multi-purpose ink for acrylics, rigid and soft PVC, polycarbonate and pre-treated

polyester. The fast drying Thermo-Jet® CFI ink shows good printability and high resistance to chemicals and abrasion. On suitable substrates the ink is deep drawable and weather resistant. The ink system is free of cyclohexanone.

Thinner M 218

Hardener 001

ZK-Two-Component Ink

Glossy ink system for printing on pre-treated polyolefins, metal, glass, wood, molded thermosets, pasteboard and cardboard. Used primarily to print molded elements made of treated polyolefins. ZK-Two-Component Ink is used to achieve high resistance to aggressive media and to mechanical stress. For this reason, it is also used to print on bottle crates, as well as on plastic containers for chemicals and cosmetics.

Thinner M 204

Hardener 032

Auxiliaries for screen printing inks

If not otherwise stated, addition of **Hardener 001** or **002** improves abrasion and chemical resistance of the printed ink significantly. Addition of **Antiblocking Agent L 30220** makes the printed ink sur-

face satin glossy, but improves the abrasion resistance noticeably.

Matting Agent 2009 can be added to any ink system to reduce the gloss. Addition of flow promoting agent **Norilon 5** improves the surface of the printed ink.

When printing electrostatically charged substrates, addition of **Norilin® A** reduces the electrostatic charge.

Primer No. 1 is an adhesion promoter especially developed for the pre-treatment of polypropylene.

Selection of Color Shades

The Proell Color Matching System consists of 12 basic colors and one lacquer which can easily be used to match nearly any color shade.

A variety of standard, transparent and highly opaque colors, half-tone inks as well as metallic and effect pigment colors are available in the screen printing range. Proell printing inks and lacquers are manufactured in compliance with RoHS and REACH.

Proell inks do not contain any pigments based on toxic heavy metals.

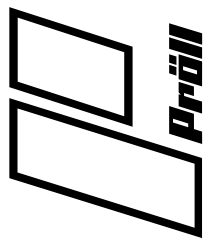
The quality and environmental management system of Proell GmbH is certified according to ISO 9001 and ISO 14001.

Custom-made ink and coating solutions are our business.

Contact us.



www.proell.de



Screen Printing Inks – Select the ink for your substrate

This application chart assists in the selection of suitable solvent-based inks. For further information please see the corresponding Technical Information.

	Finish			Drying			Further processing				Substrates				Auxiliaries															
		glossy	satin gloss	matt	fast	medium	slow	outdoor resistant	thermo forming	high frequency sealing	heat sealing	heat curable up to °C	Acrylics	PVC rigid	PVC plasticised	Polystyrene, ABS, SAN	Polycarbonate	Polyester untreated	Polyester pre-treated	Polyethylene pre-treated	Polypropylene untreated	Polypropylene pre-treated	Polyamide	Paper	Wood	Glass / Ceramics	Metal / nonferrous Metal	Thermosets	coated Substrates	
Ink Systems																														
JET® 200			✓		✓			▲	✓		✓		■	■	■	■	■		▲					■	■					▲
Norifin® PP N			✓		✓								▲	▲						■	■	■		■	■			▲		▲
NoriGlass OR**		✓					▲					180														■	▲			▲
NoriGlass TP**		✓										180														■	▲			▲
Norilit® CS			✓		✓																			■	■			▲		▲
Norilit® U		✓				✓			✓			180	■	■	■		■			■	■	■		■	■		■	▲		▲
Norilit® U-SG			✓		✓	✓			✓			180	■	■	■		■			■	■	■		■	■		■	▲		▲
NoriPlan®		✓				✓		✓	✓	✓				■	■									■						▲
Noriprint® PS			✓		✓			✓	✓	✓			▲	■	▲	■	■							■	■					▲
NoriPUR®/**		✓		✓	✓			✓	✓*			140 ¹	■	■	▲	▲	■			■	■	▲		■	■		▲	▲		▲
NoriScreen® ALU**			✓			✓			✓	✓		160							■					■		■				▲
Sorte P		✓				✓		✓	✓				■	■		■	■			■	■	■		■	■			▲		▲
Thermo-Jet®		✓			✓	✓		✓	✓	✓			■	■	■	▲	■							■	■					▲
Thermo-Jet® CFI		✓			✓	✓		✓	✓				■	■	■	▲	■							■	■					▲
ZK-Two-Comp. Ink**		✓					✓					180								■	■	▲		■	■	■	▲	▲		▲

✓ = applicable

■ = basically suited

▲ = can be suited (pretests required)

* = One-Component-Ink

** = Two-Component-Ink

1 = depending on color shade

Important: Printing results, to a large extent, depend on the substrate as well as the conditions of use. We recommend checking your substrate under your printing conditions before performing any production runs. Materials that are supposed to be identical may vary from manufacturer to manufacturer and even from batch to batch. Some substrates may have been treated with sliding agents, antistatic or other additives which can impair the adhesion of inks.