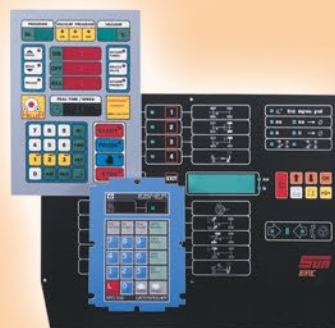


COLORS ●●●● FOR SUCCESS

**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.

Color-Jet®

Glossy multi-purpose ink system for paper and cardboard, rigid and soft PVC, acrylics, polycarbonate and pre-treated polyester.

Thinner: M 204

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

Hardener: 002

NoriGlass TPI

Organic two-component glass screen printing ink for the manufacture of backlit touch panel displays.

This screen printing ink provides very high resistance to aqueous household cleaners, hand and machine dishwashing detergents as well as to chemicals and solvents.

Thinner: S 402

Adhesion Promoter: 102

NoriJet S

Ready-for-printing, multi-purpose ink system with satin gloss for paper, cardboard, pasteboard, rigid and soft PVC, polystyrene, ABS, SAN, acrylics and polycarbonate.

Thinner: S 411

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

NoriProp N

Glossy ink system for printing on untreated polypropylene.

Thinner: M 216

Hardener: 002

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.

Thinner: M 202

Hardener: 002

NoriScreen® ALU

NoriScreen® ALU is a solvent-based two-component screen printing ink for printing on met-



als 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.

Depending on the color shade the ink is free of halogens.

Thinner: M 212

Hardener: 004

Noristar PG

Fast drying, high gloss screen printing ink for use on PVC, polycarbonate, polystyrene, ABS and SAN.

Thinner: M 211

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

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 and 002 improves abrasion and chemical resistance of the printed ink significantly. Addition of Antiblocking Agent L 30220 makes the printed ink surface 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 electro-

statically charged substrates, addition of Nori-lin® 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 develop nearly any color shade.

A variety of standard, transparent and high opaque colors, half-tone inks as well as metallic and effect pigment colors are available in the screen printing range (see latest price list).

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 KG is certified according to ISO 9001 and ISO 14001.

Custom-made ink and coating solutions are our business.

Contact us.

❖ www.proell.us

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.

Ink Systems	Finish	Drying	Further processing	Substrates	Auxiliaries									
					coated Substrates	Thermosets	Metal / nonferrous Metal	Glass / Ceramics	Wood	Paper	Polyamide	Polypropylene pre-treated	Polypropylene untreated	Polyethylene pre-treated
Color-Jet®	✓			■	■	■	■	■	■	■	■	■	■	■
JET® 200		✓		■	■	■	■	■	■	■	■	■	■	■
Norifin® PP N	✓	✓		▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
NorGlass TPI**	✓		180	180	180	180	180	180	180	180	180	180	180	180
NorJet S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Norlitt® CS	✓	✓												
Norlitt® U	✓	✓	180	180	180	180	180	180	180	180	180	180	180	180
Norlitt® U-SG	✓	✓	180	180	180	180	180	180	180	180	180	180	180	180
NorPlan®	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Norprint® PS	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
NorProp N	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
NorPUR®**	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
NorScreen® ALU**	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Noristar PG	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Sorte P	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Thermo-Jet®	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ZK- Two-Comp. Ink**	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

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.

✓ = applicable
■ = basically suited
▲ = can be suited (pretests required)
* = One-Component-Ink
** = Two-Component-Ink