NoriGlass TP

Glass Decorating Ink – silicone free

Innovative Inks & Functional Lacquers

Proell, Inc.

Field of Application:

Two-component stoving screen printing ink for the decoration of glass, particularly for symbols of touch switches and for backlit displays. The ink system shows good adhesion on various metals and ceramics as well.

Properties:

This organic screen printing ink system provides very high resistance to aqueous household cleaners, hand and machine dishwashing detergents as well as to chemicals and solvents, alcohols, greases, oils and hydraulic fluids.

- Glossy, solvent-based screen printing ink
- High-grade pigments
- Good scratch and chemical resistance
- Silicone free and halogen free (depending on pigments)
- Solvents are free of aromatic hydrocarbons
- Cyclohexanone free

Processing:

- Extensive mesh opening time, no drying in mesh
- Pot life of 8 h
- Overprintable after 3 min forced drying
- Only one final curing step:
  - Min.: 20 – 30 min / 120 °C
  - Max.: 30 min / 180 °C
  - Accelerated: IR-supported Jet drying
    ➔ 200 s / 130 °C + 100 % IR

Basic Colors	
093 Colorless HF	412 Pink Transparent HF
102 Citron HF	472 Violet Transparent
112 Yellow HF	566 Blue Transparent HF
171 Yellow Transparent	669 Green
225 Orange HF	945 White HF
321 Bright Red HF	948 Black HF

Standard Colors	
930 Titanium White HF	960 Deep Black HF

Special Color
770 Silver HF

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NoriGlass TP 930 Titanium White and 960 Deep Black

Field of Application:

Higher opaque color shades for the decoration of touch displays and switches.

Processing:

- Extensive mesh opening time, no drying in mesh
- Pot life of 8 h
- Optimized for fine meshes
- Overprintable after 3 min forced drying
- Only one final curing step:
  - Min.: 20 – 30 min / 120 °C
  - Max.: 30 min / 180 °C
  - Accelerated: IR-supported Jet drying
    ➔ 200 s / 130 °C + 100 % IR

Technical Properties:

- Very high optical density, especially suited for display frames:
  ➔ TP 960: OD ~ 5 at 7 µm layer thickness
- Very high Surface Free Energy for an excellent bondability:
  ➔ TP 930 and 960: SFE ~ 50 mN/m
- Very high degree of whiteness:
  ➔ TP 930: L* ~ 90; b* ~ 0
- Very high Electrical Resistance:
  ➔ TP 960: R ~700 GΩ at 5000 V

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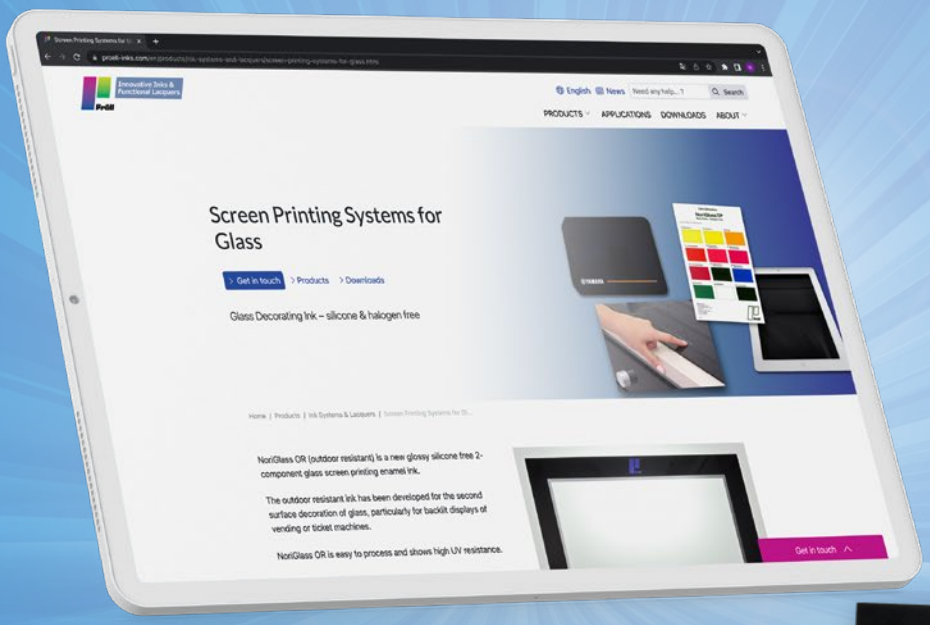

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