

English Version (Japanese Translation)

prototype

screen ink

Functional Ink "JELCON"

UV-curable type

Chemical-resistant ink single-component type for both light and heat

This ink excels in chemical resistance (especially sunscreen resistance), which tended to be slightly inferior in conventional types, and it is also capable of 3D molding processing.

Product Features

- It has excellent chemical resistance (sun screen resistance).
- 3D molding processing is possible.

Endurance

Chemical resistance

solvent resistance

Sunscreen resistance

Recommended Printed Materials

Final product

Home appliance touch panel

Automotive Interior

Post-processing and secondary processing

3D Molding and Processing

print edition

Types of Editions	mesh	Cleaning
photographic plate	Below 200	Vinyl cleaning solvent

Curing Method & Conditions

- After initial drying at 80° C for 15 minutes, UV irradiation

UV Exposure Conditions

It varies depending on the ink color and type of substrate.

Types of lamps	lamp strength	total luminous amount
Metal Halide Lamp	600mW/cm ² (peak strength)	- Prototype No. 32-1: 600mJ/cm² or higher - Prototype No. 48: 300mJ/cm² or higher

Notes

- After initial drying, it becomes almost tuck-free, but please be careful when stacking and storing.
- For general precautions, please refer to the attached document "[UV ink](#)". Please refer to the detailed information in the "" section.
- For safety precautions when using the product, please refer to the product's Safety Data Sheet (SDS).
- The contents provided in this information may be changed or revised without prior notice.
- When using the device, please thoroughly consider the conditions based on the evaluation results of the equipment and substrate actually being used.