

English Version (Japanese Translation)

Post-Order Production

screen ink

Functional Ink "JELCON"

insulating ink

Functionality insulation | Evaporative drying type solvent-based

JELCON AC-3G

When printing membrane switches, conductive ink is printed on top, and then spacer ink is printed on top of this insulating ink.

Product Features

- It has excellent insulation and heat resistance.
- It has excellent adhesion to polyester (PET) films.

Features

flexibility

Adhesion

Insulation

low price

Endurance

heat resistance

Recommended Printed Materials

Material

polyester-based

Untreated Polyethylene Terephthalate [PET]

PET film

PET Printing Circuit

Final product

membrane switch

Color & Grade

Functional Ink Colors

 Green

Function-specific data

volumetric resistivity

$1 \times 10^{13} \Omega \text{ cm}$

Specifications

Lotus form

1kg metal can

How to use

- We use screen plates with 200~300 mesh.
- Stir well before use.
- Ink can be printed without diluting with solvents, but if viscosity adjustment is necessary, Tetron solvent (standard, slow-drying) is added and diluted by 5~20% before printing.
- To further slow down drying, please use a PET retarder.
- The evaporative drying is designed to be slow to prevent clogging, so please be sure to perform heat drying.

print edition

mesh	Cleaning
200~300 (Screen version)	Using photographic plates, Cleaning with vinyl laundry solvent

Curing Method & Conditions

The evaporative drying is designed to be slow to prevent clogging, so please be sure to perform heat drying.

Evaporative Drying Conditions

Dry fingertips	completely dry
• 80° C warm air, about 50 seconds • 50° C warm air, about 90 seconds	• 120° C, about 100 seconds (far-infrared drying)

Notes

- Stir well before use.
- Because it is a solvent-based ink, there are limits to film thickness and insulation performance.
For applications requiring advanced performance, please use the UV-curable insulating ink JELCON IN series.
- 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.