

English Version (Japanese Translation) OEM

screen ink

Pad ink

general printing | Two-component reaction type

PAD-PTS

This is a two-component reactive glossy ink with abrasion resistance and broad adhesion.

Product Features

- This is a two-component reactive glossy ink with abrasion resistance and wide adhesion properties (such as anodized and urethane coatings).
Depending on the intended use, it can also be used as a single solution.
By using a three-component solution, abrasion resistance and adhesion are further improved.
- It has excellent abrasion resistance.
- Wide adhesion.
- It has a high concentration and excellent color matching.
- Excellent PAD Aptitude

Features

high concentration

Adhesion

Endurance

Physical Endurance

abrasion resistance

Recommended Printed Materials

Material

General plastic

Acrylic [PMMA]

Acrylic sheet

Acrylonitrile Butadienestyrene [ABS]

Polycarbonate [PC]

polyester-based

Treated Polyethylene Terephthalate [PET]

olefin-based

Treated Polyethylene [PE]

Treated Polypropylene [PP]

soft material

Polyurethane [PU]

urethane coating

Finish, Texture, and Visual Effects

finish

gross

How to use

- Add 10 parts of JA-970 to every 100 parts of ink and dilute with ES solvent (standard, slow drying).
- Adding 0.5 parts of JA-E11 improves wear resistance.
- The pot life is about 7 hours for two-component models and about 5 hours for three-component types.

print edition

Cleaning

Vinyl cleaning solvent

Curing Method & Conditions

- 80° C for 30 minutes
- Room temperature drying*

*It takes time for the ink to adhere to the material. Also, if you want to improve physical properties, heat drying is recommended.

Test data (environment, physical properties, weather resistance, performance, etc.)

Conditions	
base material	Polycarbonate
Ink Blend	PTS 07 High Concentration White JA970 10% JA-E11 0.5% ES Standard Solvent 15%
brush depth	20 μ m
dry	80° C for 30 minutes
number of presses	Double press

Results		
Test Items	Test Method	Results
Adhesion	Crosscut Method	100/100 No peeling No changes in the appearance of the paint film
Surface hardness test	pencil hardness test	H or above
abrasion resistance	Sand eraser friction method Sand Eraser SEED EE-D4R Compression 3±0.5N	90 times OK
solvent test	petroleum benzine	400 times OK
solvent test	Ethyl alcohol	100 times OK
Wetness test	Soak in 70° C warm water for 2 hours 1. Adhesion after leaving	100/100 No peeling No changes in the appearance of the paint film

Notes

- This ink is an OEM product.
When purchasing, [Navitas Machinery Co., Ltd.](#) Please consult with us.
- 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.
- This characteristic data is based on the evaluation results conducted by our company and does not guarantee the product's characteristics during customer use.
- When using the device, please thoroughly consider the conditions based on the evaluation results of the equipment and substrate actually being used.