



64 Kamikazan Sakuradani-cho, Yamashina-ku,
Kyoto 607-8466 Japan
Tel ; 81-75-594-5612 Fax ; 81-75-594-0829
INTERNATIONAL DEPARTMENT

TECHNICAL INFORMATION SHEET

T-1-16-064-31 No. 1

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Dyestone Digiace White Series

1. Overview :

Dyestone Digiace White is a water-based white ink for Piezo type inkjet print. It can be printed directly to color fabrics by inkjet printers without screens. It doesn't require washing after printing, but dry/baking only. Its opacity and color concentration will be improved by spraying the Digiace Pretreatment W-3F and heat pressing before printing, which is a necessary procedure for color fabric printing.

Please see Digiace Pretreatment brochure for more details.

2. Chemical properties

Appearance: White water soluble liquid

Viscosity: See below #3

pH: 7.0 ~ 9.0

Surface tension: 35 ~ 39 mN/m

Flammability: None

Hazards: See Dyestone Digiace White Series Safety Data Sheet

3. Product options

There are two types of Digiace White inks with different viscosity, please choose an appropriate type of Digiace White according to the inkjet print head.

Viscosity range:

➤ GE 11-B: 10~12mPa·s

➤ SE 34-A: 4~5mPa·s

Also Digiace White in a viscosity range of 3~ 18 mPa·s is available upon request.



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4. Recommended process (application – cotton)

Color t-shirt

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Spray Digiace Pretreatment W-3F (250 ~ 300g /m²) *

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Heat press (180°C x 30 sec · 20~30kPa)

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IJ print (White)

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↓ (Wet on Wet printing is OK)

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IJ print (CMYK 4 color print) *

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Heat press (180°C x 30 sec · 20~30kPa)

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Complete

*Please see product brochures for the details of Digiace Pretreatment and color inks (CMYK).

5. Note

- ① Please store them in a cool (below 30°C) and dark place.
- ② When changing the ink system on an inkjet machine, the whole ink supplying system need to be cleaned with Dystone Digiace Cleaner ST. Please make sure that the nozzles are not clogged. See Digiace Cleaner ST brochure for more details.
- ③ Insufficient dry and heat process may result in poor durability. Please perform enough heat process after pretreating.