

Dyestone Digiace Pretreatment

- Dyestone Digiace Faster SA
- Dyestone Digiace Ionix SB

1. Summary :

Dyestone Digiace Faster SA / Dyestone Digiace Ionix SB are the pretreatment chemicals specially designed for the Inkjet printing by “Dyestone Digiace Ink Series” on White substrate.

These pretreatment chemicals gives soft handfeel, strong fastnesses and vivid colors.

2. Nature :

- Dyestone Digiace SA (Pretreatment to increase various fastnesses)

Appearance ----- Milky White Liquid

Viscosity ----- 200 mPa · s or less

Ionicity ----- Nonionic

Density ----- $1.05 \pm 0.05 \text{ g/m}^3$

p.H. ----- 4 - 7

- Dyestone Digiace SB (Pretreatment to improve color yield)

Appearance ----- Light Yellow Liquid

Viscosity ----- Apprx. 5,000 mPa · s

Ionicity ----- Cationic

Density ----- $1.05 \pm 0.05 \text{ g/m}^3$

p.H. ----- 2 - 4

3. Application :

These pretreatment chemicals are applicable to various types of fabrics. To improve the fastnesses or the color-yield, the dosage of each may be controlled.

TECHNICAL INFORMATION SHEET

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4. Standard Recipe :

| | Standard Recipe |
|-----------|-----------------|
| Faster SA | 1.0 % |
| Ionix SB | 3.0 % |
| Water | 96.0 % |
| Total | 100% |

- Example Recipe --- Adjustment shall be made to control the fastnesses and the color yield.

➤ How to make the pretreatment solution.

- 1) Measure the water.
- 2) Faster SA needs to be mixed into the water first.
- 3) While mixing (stirring) 2), add Ionix SB gradually.
- 4) Keep mixing until well dispersed.

5. Caution :

- A) Ionix SB and Faster SA mixed reversely, it creates lump (aggregation).
- B) The pretreatment solution made needs to be finished up within 2 days. If left too long, its effect may be deteriorated.
- C) When preparing the solution, wear appropriate protection such as gloves, glasses and mask as both are acidic chemical.
- D) The mixing & pretreating circumstances need to be well controlled.
While drying / curing the pretreatment chemicals, air ventilation for the place may be recommended.
- E) Its drainage must be carefully checked with the MSDS in accordance with the local regulations.
- F) When any adjustment is made to the standard recipe, a careful pre-test must be conducted.

6. Processes :

1. Apply the pretreatment solution by padding, roller or spray.

↓ Dry / Cure (150degreeC x 3mins.)

2. Inkjet Printing (with Dyestone Digiace Inks)

↓ Dry / Cure (150degreeC x 3mins.)

TECHNICAL INFORMATION SHEET

- The pretreatment with Faster SA + Ionix SB is for Color Inkjet print with C.M.Y.K. (may be + special colors).
- Faster SA + Ionix SB are designed for our Dyestone Digiace Inks. The compatibility and suitability of Faster SA + Ionix SB to other Inkjet Inks shall not be guaranteed.

7. N.B :

1. Refer the SDS before use.
2. Keep sealed and store in cool & dark place.
3. Please, be aware of the iconicity, especially, Ionix SB has Cationic property.
4. Enough Dry / Cure after application is very important, insufficient condition may cause defective in the final print quality.