Ryudye-W® White Binder 1400G-ELF   White Binder For Machine Print

[Main Application]

Mat Binder for pigment printing on cotton fabrics, also can be used for a part of polyester, polyester and cotton blended.   Excellent covering ability and whiteness, is suitable for rotary and flat bed machine printing.

[Storage Stability]

Stored in a cool and dry place for one year, recommend to store at temperature between 0~40°C.

[Environmental Criteria]

1. Fulfill Formaldehyde criteria of Japan Law 112 (Showa 49-34) (< 75ppm);
2. Fulfill APEO criteria of EU Directive (2003/53/EC);
3. Fulfill Phthalate criteria of EU Directive (2005/84/EC);
4. Fulfill Heavy Metal Criteria of EN-71 Part3:1994;
5. Not detected PVC (Test Method: FTIR);
6. Fulfill AZO criteria (not exceed 20mg/kg) of China Directive (GB18401-2010);
7. Fulfill SVHC (2014 Edition) of EU Reach.

[Typical Formulation]

Ryudye®-W White Binder 1400G-ELF	100-80
Printing paste	0-20
Ryudye®-W Fixer	X
Total (Weight %)	100+X

[Printing Process]

Printing → Pre-drying (70-100 ^{o}C, 1-2Mins) → Heat Treatment (130-150 ^{o}C，2-3Mins)

[Fastness Test]

1. Washing fastness test (60 ^{o}C×1Hr ×4times)   :   3.0 Grade
2. Rubbing fastness test (JIS L-0849, 100Rounds / 3Mins)   :   3.0 Grade

Note: Fastness Grade from 1.0 to 5.0, Grade 5.0 is the best.

[Matters Needing Attention]

1. In order to ensure excellent fastness, we advise adding the right amount of crosslinking agent Ryudye®-W Fixer J-52 (Long-time limiting, 24Hrs, 1.0-3.0%) or Dexcel® GKC Conc (No-time limiting, 2.0-4.0%);
2. Recommended screen mesh from 800 to 1000;
3. In order to prevent drying too quickly and cause block up the screen when the humidity is too low (e.g. Autumn or Winter), you can add 1-3% wetting agent (Ryudye®-W Assister 502 or urea);
4. All matters in this instructions is obtained based on the standard test method, so in order to avoid any difference, the user must test according to their own use method and requirements before the product used for production。