



Stretch Clear 701B-8/Stretch Mat 701M-6/Stretch White 701W-6

1) Summary

Stretch 701series are waterbased elastic binders to be used for pigment printing on knitted stretch fabric made from Cotton jersey, Lycra, Spandex such as swim wear or exercise garments , and they are environmentally and ecologically safe type printing inks.

Stretch 701Series have been improved from the previous 701 Series for Matte and Non tacky surface. In general, for extremely elastic rubber alike printing effect, in general, PU Resin was commonly used for binder recipes; however, PU Resin always contains OrganoTin Compound in its nature.

As restricted by OekoTex Standard 100 and other major regulations, OrganoTin Compound has been banned to be used for textile processes.

Stretch 701Series is completely free of not only OrganoTin Compound , but other restricted items such as Formaldehyde, Phthalate, PVC and APEOs as well.

2) Nature

| | Stretch Clear 701B-8 | Stretch Mat 701M-6 | Stretch White 701W-6 |
|-------------------------|--------------------------|--------------------------|--------------------------|
| Appearance | Milky White Paste | White Paste | White Paste |
| Viscosity | 110,000 ± 10,000 mPa · s | 110,000 ± 10,000 mPa · s | 110,000 ± 10,000 mPa · s |
| pH | 8.5 ± 0.5 | 8.5 ± 0.5 | 8.5 ± 0.5 |
| Specific Gravity | 1.00 ± 0.05 | 1.10 ± 0.05 | 1.30 ± 0.05 |

※p.H. rate is purposely adjusted slightly high in order to stabilize for long storage and also workability.

During printing p.H. adjusting agent is evaporated during dry/baking processes. Therefore, the final product treated shows its p.H. 6.0-7.5, not higher than 7.5.

4) Usage

| {Standard Recipe} | Color | White | Opaque |
|-----------------------------|-------|-------|--------|
| Stretch Clear 701B-8 | 100 | - | - |
| Stretch Mat 701M-6 | - | - | 100 |
| Stretch White 701W-6 | - | 100 | - |
| Neo Color pigment | ~10 | - | ~10 |
| Fixer F | 2 | 2 | 2 |

5) N.B.

- Under natural dry condition, various fastness and tackiness on surface should be pre-test before use.
- Printing Stretch 701series overlapped onto other different type of binders causes de-lamination (peel off) problem. Please, use 701 series as a set.
- After mixing Fixer F into the recipe, use up the whole paste within 12 hours.
- Keep sealed and store in cool and dark place after use.
- Pre test well before bulk use.

Recommended Parameters

Fabric Types



100% Cotton
Cotton/ Poly Blend
100% Polyester
etc.

Screen Mesh



70~120 mesh/inch

Squeegee



Durometer : 70/90/70
Square Edge

Flash & Cure



130~140°C × 3mins.

With Fixer F :

120°C × 2~3mins.

Pigment



Up to 10%

AUXILIARIES



Fixer F
Fixer N

Storage



5°C~30°C

Clean Up



Warm water
and mild detergent



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The above information is based on our knowledges and experiences currently available. Please, test and evaluate before the actual use.