MATSUI
SHIKISO CHEMICAL CO., LTD.

Matsumin Under Base Blocker 301LG

1) Summary

In pigment printing on polyester knit or woven fabric (especially Spandex / Lycra fabric), dye sublimation from the fabric is very much likely to happen.

Matsumin Under Base Blocker 301LG is a water based b inder to be used as a under print to block the dye sublimation from the fabric, hence the rubberized pigment print given on top is not hindered and may remain in white or other desirable colors.

Matsumin Under Base Blocker 301LG with its non screen cloggi ng property is suitable for automatic printing machine.This product is completely Eco friendly and totally free of PVC, Phthalate, OrganoTin compounds and any of other substances banned by regulations.

2) Nature

Under Base Blocker 301LG	
Appearance	Black Paste
Viscosity	90,000 ± 10,000 mPa・s
pH	8.5 ± 0.5

3) Usage

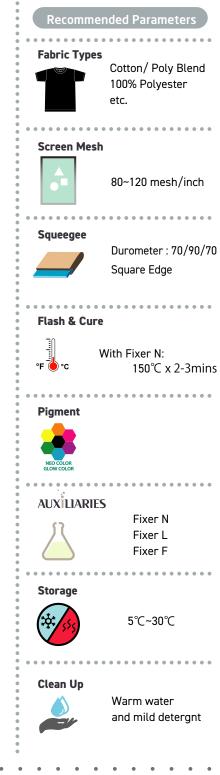| {Standard Recipe}	
Under Base Blocker 301LG	80-100
Stretch Clear 301-5	0-20
Fixer N	2-3

4) N.B.

1. Whenever stop the squeegee, flood the ink over the screen stencils to avoid dryness.

2. Sublimation may vary depend on the type of disperse dye used for the fabric. Pre-test to check the effect is strongly recommended. If the degree of sublimation is not so bad, no. of squeegee could be reduced to 1stroke x 1 time.

3. Cross Linking Agent is either Fixer F or Fixer N.

- With Fixer N, it only gets activated when the heat over 150degree is applied; therefore, the ink left over still can be reused after.

4. If it is used in handprint, it is not necessary to use with Stretch 301 Series, it could be Stretch 701 Series.

5. Viscosity adjustment. - To increase, add Emacol R 600 at 0.5~1.0%.
   - To reduce, add Catalyst #3000 at 0.5 2.0%

6. Seal tight after each use. This is waterbased paste, so avoid from drying. Store in cool & dark place.

Recommended Parameters

Fabric Types
Cotton/ Poly Blend 100% Polyester etc.

Screen Mesh
80~120 mesh/inch

Squeegee
Durometer : 70/90/70 Square Edge

Flash & Cure
With Fixer N:
150℃ x 2-3mins

Pigment
NEO COLOR
GLOW COLOR

AUXILIARIES
Fixer N
Fixer L
Fixer F

Storage
5℃~30℃

Clean Up
Warm water and mild detergnt

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