MATSUI
SHIKISO CHEMICAL CO., LTD.

Under Base Blocker 350

1) Summary

Underbase Blocker 350 is a waterbased binder to be used as an underbase layer to block the dye-sublimation (and also possibly dye-migration) from the polyester or poly-blended fabric, hence the rubberized pigment print given on top is not hindered and may remain in white or other desirable colors.

Underbase Blocker 350 is applicable bother to hand printing and automatic machine printing processes.

Underbase Blocker 350 is completely free of any banned substances listed in OekoTex and any other safety regulations by major brands.

2) Nature

Under Base Blocker 350	
Appearance	Black Paste
Viscosity	70,000 ± 10,000 mPa・s
pH	7.5 ± 0.5
Solid content	43.0 ± 5.0%

3) Usage

	60-100
{Standard Recipe}	0-40
Under Base Blocker 350	2-3
Clear 350B	
Fixer N (Fixer L)	

Polyester Fabric → Underbase Blocker 350 <Under Print> (80-120mesh/inch x 2 stroke) → Flash Dry → Underbase Blocker 350, another layer if required → Flash Dry → Start Printing other binders / whites on the surface according to the proper usages. → Dry → Cure at 135 – 150 degC for 2 - 3 mins.

※Pre-test well on the actual fabric before bulk use.

Recommended Parameters

Fabric Types
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

MATSUI SHIKISO CHEMICAL CO.,LTD.
64 Kamikazan Sakuradani-cho,
Yamashina-ku,
Kyoto 607-8466 Japan

: 81-75-594-5612
: 81-75-594-0829
: export-sales@msc-color.co.jp
: www.msc-color.co.jp

4) N.B.

A) The degree of dye sublimation may vary; therefore, conduct a pre-test carefully.

B) The thicker print layer of Underbase 350 is given, the more power to prevent the sublimation prevention is achieve. So, it is recommended to adjust the screen mesh and # of squeeging according to the condition.

C) The paste may have Thixotropic behavior with viscosities. Mixing before use can bring the original flow property.

D) In case any screen clogging is found, add wetting agent, Printgen EG 2-5%.

E) The flash dry in between Underbase Blocker print and the next layer print coming on top is insufficient, it may cause de-lamination problem. Please, arrange sufficient flash dry.

F) Cross Linking Agent is either Fixer N or Fixer L.

- With Fixer N, it only gets activated when the heat over 140degree is applied; therefore, the ink left over still can be reused after.
- In case the cure Temp. can not be increased, choose Fixer L which cures the print under low Temp. condition.

G) To increase the viscosity, add Emacol R-530N at 0.1 – 0.5%. To reduce the viscosity, add Catalyst #3000 at 0.5 – 2.0%. Mix well after the addition..

H) Keep sealed after each use and store in cool and dark place after use.

MATSUI SHIKISO CHEMICAL CO.,LTD.
64 Kamikazan Sakuradani-cho,
Yamashina-ku,
Kyoto 607-8466 Japan

: 81-75-594-5612
: 81-75-594-0829
: export-sales@msc-color.co.jp
: www.msc-color.co.jp