



White 301AW-M / Clear 301AC-M

1) Summary

Matsumin White 301AW-M / Clear 301AC-M are waterbased rubberized type binders to be used for cotton or cotton blended knit fabric such as T shirts and Sweat shirts. These products are specially designed for Automatic carousel or oval printing machines.

In the continuous printing on automatic machine, White 301AW-M / Clear 301AC-M do not cause screen clogging and can maintain long printing run without trouble.

Matsumin White 301AW-M / Clear 301AC-M are totally free of Formaldehyde, APEOs, OrganoTin compounds or any other banned substances, so called Eco Products.

2) Nature

	White 301AW-M	Clear 301AC-M
Appearance	Milky White Paste	White Paste
Viscosity	100,000 ± 10,000 mPa · s	110,000 ± 10,000 mPa · s
pH	8.5 ± 0.5	8.5 ± 0.5
Density	1.29 ± 0.05	1.11 ± 0.05

3) Usage

{Standard Recipe}	White	Opaque	Clear
White 301AW-M	100	20-30	-
Clear 301AC-M	-	70-80	100
Neo Color pigment	-	~10	~10
Fixer N	2	2	2

4) N.B.

- ① Whenever the squeegee is stopped, the screen stencil must be heavily flooded.
- ② Preheat the printing pallets is strongly advised.
- ③ White 301AW-M / Clear 301AC-M have good workabilities; however, additional Printgen EG or "Printgen EG1026" 2-3% into the printing recipe is advisable if any screen clogging happens.
- ④ After Fixer F and Fixer L are mixed into the paste, the paste must be finished within the same day mixed, and the leftover can not be used on the next day.
- ⑤ When Fixer N is mixed, its activation happens only cured over 140°C, and the leftover ink must be sealed and can be used on the following day.
- ⑥ To increase the viscosity, 0.1-0.5% of Emacol R530, or 0.5-1.0% of Emacol R600 can be added and well mixed evenly. To reduce the viscosity, 0.5-2.0% of Catalyst #3000 can be added and well mixed evenly.
- ⑧ Storage : Keep sealed after each use and store in cool and dark place.

Recommended Parameters

Fabric Types



100% Cotton
Cotton/ Poly Blend
etc.

Screen Mesh



80~120 mesh/inch

Squeegee



Durometer : 70/90/70
Square Edge

Flash & Cure



With Fixer N :
150°C × 2~3mins.
With Fixer F or Fixer L :
140°C × 2~3mins.

Pigment



Up to 10%

AUXILIARIES



Fixer N
Fixer F
Fixer L

Storage



5°C~30°C

Clean Up



Warm water
and mild detergent

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



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