



## Cube Mat 1210M

Ready to use paste for high density print

### 1) Summary

Cube Mat 1210M is waterbased printing binder which give s a High Density with a sharp edge and a flat surface onto T-shirt or Sweat-shirt.

Using a thick screen, 200 $\mu$ ~ 500 $\mu$  , ordinary waterbased binders get skinnier after dry and can not get smooth surface, hence thick screen print with waterbased ink have been a quite difficult process. Cube Mat 1210M can solve such matters.Cube Mat 1210M do not contain any banned substances according to Oekotex Standard or any restriction by major textile brands.

\*To achieve high dimensional effect it is advisable to print several times with the different screens going thicker gradually. Ex) 1st : 200 $\mu$  → 2nd : 400  $\mu$  with intermediate dry in between.

### 2) Nature

	Cube Mat 1210M
	White Paste
Appearance	140,000 $\pm$ 10,000 mPa $\cdot$ s
Viscosity	8.0 $\pm$ 0.5
pH	1.30 $\pm$ 0.05
Specific Gravity	

### 3) Usage

{Standard Recipe}	Color	White
Cube Mat 1210M	100	100
Neo color pigment	~7	-
Fixer F	2	2

### 4) N.B.

- Fixer F is low temp. curing type cross linking agent but is likely to have skin allergy depends on the handling person. Please, refer it s SDS.
- In order to keep the sharp edge, the printing screen should be high tension (as high as 25N or above ) and kept off contact the fabric.
- Baking process must be properly done after pre dried well. If pre dry was not sufficient, it lose the surface smoothness or may create bubbles caused by the moisture left in the print.
- After adding Fixer F 2%, the whole paste must be used up within 12 hours.
- Heat press process is to give smoother surface. If unavailable , only baking process is sufficient.
- If used with other printing chemical as combination, pre-test well both in lab scale and bulk to make sure the compatibility . Make sure there is no peel off and no blocking each other.
- Keep sealed and stored in cool and dark place avoiding any exposure to the Sun light.

### Recommended Parameters

#### Fabric Types



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

#### Screen Mesh



Thick screen 200~500 $\mu$   
80~120 mesh/inch

#### Squeegee



Durometer : 70/90/70  
Square Edge

#### Flash & Cure



With Fixer N:  
150 $^{\circ}$ C x 2-3mins  
With Fixer L or Fixer F:  
120 $^{\circ}$ C x 2-3mins

#### Pigment



Up to 7%

#### AUXILIARIES



Fixer N  
Fixer L  
Fixer F

#### Storage



5 $^{\circ}$ C~30 $^{\circ}$ 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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