

# KEENWORTH

*International Corporation*

*We make colors come alive!*

SCREENPRINTING INKS  
DIGITAL SUBLIMATION INKS  
AUXILIARY CHEMICALS  
ACCESSORIES & EQUIPMENT

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**plastisol inks**

*Keen Plas Series*



A KeenPlas MB Series is characterized with easy printability on many garment substrates, both on smooth and porous surface, without screen clogging up on low or high mesh. It is the mixing base of your choice as it adapts very well on a manual or mechanized printing system. It contains Phtalate free polyvinyl chloride (PVC) resin.

KeenPlas MB Series	Application	Substrate	
		White	Coloured
Clear CS	Transparent Base	✓	✓
Matte KL	Matte Base	✓	✓
White AB	White Base		✓

**Squeegee Durometer**

- Recommended squeegee durometers range 60 -70 shores.

**Advantages**

- Non clogging based
- High mesh screen
- Excellent wet / dry abrasion / washing resistance
- Good color fastness

**Screen Mesh**

- KeenPlas MB Clear CS can be printed through mesh counts at 180/inch (71 cm) for multi-color printing on light shirts and over printing on dark shirts.
- KeenPlas MB Matte KL can be printed through mesh counts for as low as 85/inch (34 cm) to as high as 123/inch (49 cm) if heavy ink coverage on dark fabric is desired; or up to 230/inch (92 cm) for fast flashing or quick gelling.
- KeenPlas MB White AB can be printed through mesh counts for as low as 85/inch (34 cm) to as high as 123/inch (49 cm) if heavy ink coverage on dark fabric is desired; or up to 230/inch (92 cm) for fast flashing or quick gelling. It is an all in one solution to your white color needs.

#### Typical Formulation

PRODUCT NAME	%	%	%	%
KeenPlas MB Clear CS	95	0	0	0
KeenPlas MB Matte KL	0	90	0	65
KeenPlas MB White AB	0	0	100	25
KeenPlas PC	5	10	0	10
Modifier	0	0	0	0
TOTAL	100	100	100	100

#### Printing Process

For KeenPlas MB Series:

- Print KeenPlas MB Series according to color sequence
- Blow dry after each color printing at half dry / semi cure for every color print and full dry / full cure on final color print
- Final cure by dryer / oven at 100°C - 120°C for 2-3 minutes; or by heat press machine at 100°C- 120°C for 8 seconds.

#### Printing Process

For KeenPlas MB Series:

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# SAMPLE PRINTS





# Pigment Concentrate

*Keenplas* **PC** *Series*



A KeenPlas Pigment Concentrate (PC) Series is a coloring vehicle, readily miscible in all plastisol inks. It has excellent dispersion.

KeenPlas PC Basic Series of standard color paste.  
 KeenPlas PC Neon Series of fluorescent color paste.

**Advantages**

- Brilliant colors
- Good color fastness

**Typical Formulation**

PRODUCT NAME	%	%	%	%	%
KeenPlas MB Clear CS	95	90	0	85	0
KeenPlas MB Matte KL	0	0	90	0	80
KeenPlas PC Basic	5	10	10	0	0
KeenPlas PC Neon	0	0	0	15	20
<b>TOTAL</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>



Product Code	Description
High Density Additive	It increases the height of the plastisol paste. (Maximum load = 10% only)
High Stretch Additive	It improves the stretch-ability of the plastisol paste. (Maximum load = 10% only)
Low Bleed Additive	It reduces the bleeding tendency of the plastisol paste in lieu of dyestuff reaction. (Maximum load = 10% only)
Low Cure Additive	It reduces the temperature requirement of the plastisol paste. (Maximum load = 10% only)
Viscosity Enhancer	It increases the viscosity of the plastisol paste. (Maximum load = 2% only)
Viscosity Reducer	It reduces the viscosity of the printing paste. (Maximum load = 2% only)

PLASTISOL  
AUXILIARY  
CHEMICALS

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In response to consumers and general public needs of protection from textile's health risks. The Eco-test standard is initiated. In lieu of this, it is necessary that tests are done by your company prior to your mass production for local and export market requirement.

Use safety equipment and gadgets when handling chemicals.

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