

TECHNICAL DATA SHEET

AQUA BASE 12 AP

Product information

Name : AQUA BASE 12 AP

Objectives

Being a promising supplier in our textile and garments screen printing industry, we HYUPJIN PETROCHEMICALS IND. LTD., are happy to introduce the conceptual and technical review of the product to our valued customers' to find them the areas of technical and advantages the AQUA BASE 12AP.

Field of Application

AQUA BASE 12 AP is used in garments screen printing industry as a pigment paste for ready use. The paste is prepared mixing AQUA BASE 12 AP at required ratio (upon the pantone shade and type of fabric and shade or color of fabric ground) and up to 4~8% of pigment loading with other additives in order to improve the required color and wash fastness and to achieve the soft handle pigment effect with good and brilliant look on light ground fabrics.

Background of the development

Most of the pigment pastes used in our industries are not suitable to use by machine for long time for choking screen due to containing fast drying properties. The reason why the pigment paste used on machine requires adding anti-blocking agent or some other no drying agent to avoid choking or blocking the screens to achieve the quality of tonal print. Adding these additives some time maximizes the cost of the production. Our AQUA BASE 12 AP is an excellent product which is ready to use where the pigment effect is required with high definition detail print effects by machine. Its non-drying characteristics support finer mesh 66-100T which is very much helpful to achieve the desired quality of print on light ground fabrics.

Product advantages

- Non-dry on screen
- No choking or blocking on screen
- Support using 66-100 T mesh
- Supports achieving the print effect with more details and high definition
- Production friendly
- Higher productivity
- Soft Handle
- Good rubbing and washing fastness

How to Apply

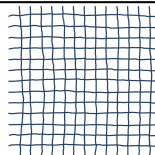
Screen mesh selection is dependent upon the artwork. As a guide use 66T-100T mesh screens with rectangular profile squeegees. The longer the curing time, the better the washing fastness (Ready to rubbing and washing test after proper curing process is recommended) After printing the garment / panel should be dried and cured ideally for 1:30-2:30 minutes at 140°C~160°C.

The above information has been issued with the purpose of obtaining the best results but without any responsibility on our part. Users are recommended to carry out relevant tests before bulk production if they require.



FABRIC TYPES

Cotton / Poly Cotton blends



MESH

66T-100T Mesh Screen (dependant on Sharpness of the Artwork)



SQUEEGEE

Medium 65° Shore Rectangular



STENCIL

Water resistant emulsion



CURE TEMP

1:30-2:30 Minutes at 140°~160°C



PIGMENT LOADING

Up to 4~8% of Pigments



ADDITIVES

Crosslinker (0.5% to 1.0%)

Softener HS Gel 130 ND



STORAGE

In cool place properly closed: > 5°C (41°F) < 40°C (104°F)



CLEAN UPS

Wash off screen using water and mild detergent



HEALTH & SAFETY

MSDS available upon request