

TECHNICAL DATA SHEET

AQUA EXTRA DT SERIES

Product information

Name : AQUA BASE EXTRA DT & AQUA WHITE EXTRA DT

Objectives

Being a promising supplier in our textile and garments screen printing industry, we HYUP JIN PETROCHEMICAL 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 EXTRA DT SERIES. Field of Application

Field of Application

AQUA EXTRA DT SERIES is used in garments screen printing industry as a rubber transparent and white paste for ready use. The paste is prepared mixing AQUA BASE EXTRA DT and AQUA WHITE EXTRA DT 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 opacity and coverage, and where the soft handle rubber effect with good stretchy and matte feel to be expected on light and dark ground fabrics.

Background of the development

AQUA EXTRA DT SERIES is mainly design for use in carousel or oval screen printing machines and are excellent products which are ready to use where rubberized effect for vector and tonal design is required with stretchy, matte soft and good coverage. It's slow-drying characteristics support the mesh 43T-60T mesh and it can easily achieve the desired quality of print with color depth on light and dark ground of cotton and poly cotton blend fabrics.

Product advantages

- Slow-dry on screen
- No choking or blocking of screen
- Support using 43T-60T mesh
- Production friendly
- Higher productivity
- Soft Handle
- Good coverage
- Matte touch effect
- Good wash fastness

Important technical footnotes:

Screen mesh selection is dependent upon the artwork. As a guide use 43T-60T mesh with rectangular profile squeegees. The longer the curing time is the better the washing fastness. Rubbing and washing test to be conducted after proper curing process is performed)

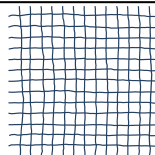
After printing the garment / panel should be dried and cured ideally for 1:30-2:30 minutes at 140°C~160°C. For production process safety is further ensured by material safety data sheets (MSDSs) and technical data sheets (TDSs)

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

43T-60T 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