PLUS 9000 HB
One Pot Photo-polymer Textile Emulsion

DESCRIPTION
PLUS 9000 is an SBQ one pot garment emulsion, 47% solids ideal for high build with Plastisol inks only. PLUS 9000 is compatible with all exposure systems including LED. PLUS 9000 has very fast coating, drying and exposure, ideal for the busy print shop.

FEATURES & BENEFITS
- One pot system: No Diazo sensitiser mixing required
- Excellent coating quality: Less retouching required
- Very fast exposure: Short exposure times even with a low powered UV light
- Very high solids: Fewer coats required and fast drying times
- Wide exposure latitude: Easy to use
- Good print quality: Excellent for line, tint and halftone printing
- Easy to decoat: Screen cleaning times are reduced
- Ultra thick stencils: Can be made up to 300 microns
  Ultra thick stencil can easily be produced for printing high build and 3D inks

APPLICATIONS
PLUS 9000 HB is designed for printing any garments that use the following inks:
- Plastisols that do not contain water
- Puff and other expanding inks that do not contain water

NOTE: For very rigorous garment printing applications such as belt printing, water-based ink printing, or with discharge inks, we recommend the use of PLUS 6000 textile emulsion.

WORKING INSTRUCTIONS & SAFE HANDLING
Unlike conventional diazo sensitised emulsions, PLUS 9000 HB does not require sensitising prior to use.
MESH PREPARATION

Unused Polyester/Nylon  Alkemi Autoprep Gel and Alkemi Universal Mesh Prep
Used Polyester/Nylon  Alkemi Universal Mesh Prep
Stainless Steel

COATING & DRYING

Stand the screen on edge, angled away from the operator and, using a good quality coating trough, proceed as follows:

1. Apply 1 coats to the print of the screen.
2. Apply 1 coats to squeegee side.
3. The screen should be dried horizontally, squeegee side up and stored under dark or yellow light conditions. Dry the screen at a maximum temperature of 30°C (86°F).
4. Additional coatings may be applied to the underside of the screen with intermediate drying.

EXPOSURE

CORRECT EXPOSURE IS ESSENTIAL FOR OPTIMUM STENCIL PERFORMANCE. UNDEREXPOSURE WILL GIVE A WEAK STENCIL AND REDUCE RESISTANCE.

Remove dust from the surface of the stencil and tape positive in position using Alkemi Anti-Dust Cloths. Place entire screen in a suitable vacuum frame and expose. We recommend use of the Alkemi Exposure Calculator for test exposures to ascertain correct timing.

EXPOSURE TIME (*IN MINUTES)

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*Based on 2+2 coating on 43/cm (110/inch) white mono-filament polyester mesh.
WASHOUT & DRYING

Washout the screen from both sides with a strong spray of water. Continue the washout until all parts of the image appear clean and sharp. Blot off surplus moisture with newsprint or a leather and dry at a maximum temperature of 30°C (86°F).

Spot out blemishes with sensitised emulsion (for water-based inks) or Alkemi Blue Block, Green Block or Ruby Block (UV or solvent based inks).

STENCIL REMOVAL

Remove ink from the screen, with Alkemi Screen Cleaner. Apply the Stencil Remover Concentrate with the Alkemi Brush to both sides of the screen. Leave it on for 2-4 minutes. The stencil can then be removed with a strong water jet or high pressure washer. If a stain or ghost image remains, use Alkemi Haze Remover HV or Alkemi Autohaze.

FIRST AID

Eyes: Irrigate with water for 10 minutes
Skin: Wash thoroughly
Ingestion: Dilute with water and get medical advice

DISPOSAL

Small quantities can be washed to foul waste. Larger quantities should be disposed of by an authorised industrial waste chemical contractor.

PACKAGING

PLUS 9000 HB is sold in sealed plastic containers.

Trade packs of 6 x 1 Litres, 4 x 4 Litres, 1 x 200 Litres.

SHELF LIFE & STORAGE

The emulsion should be stored between 3° and 20° C. Shelf life is 24 months when stored as recommended. Storage at higher temperatures will reduce shelf life.
SAFETY & WARNING

MacDermidConnect recommends that the company/operator read and review the Safety Data Sheets for the appropriate health and safety warnings before use.

Safety Data Sheets are available from MacDermidConnect

WASTE TREATMENT

Prior to using any recommendations or suggestions by MacDermidConnect for waste treatment, the user is required to know the appropriate local/state/federal regulations for onsite or off-site treatment which may require permits. If there is any conflict regarding our recommendations, local/state/federal regulations take precedent.

CONTACT INFORMATION

To confirm this is the most recent issue, please contact MacDermidConnect

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<tr>
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Also read carefully warning and safety information on the Safety Data Sheet. This data sheet contains technical information required for safe and economical operation of this product. READ IT THOROUGHLY PRIOR TO PRODUCT USE.

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