

## GS 603 FINE MESH WHITE – WB

### TECHNICAL DATA SHEET

#### USING FIELDS and PROPERTIES

It is a water based printing base used to achieve an elastic and soft touching white for photographic printings and transfer printings.  
It can be printed on cotton and cotton-polyester blend fabrics.  
Does not dry during the print and block the screen.  
If cured correctly as advised, the dry-wet rubbing and washing fastness are high.  
Rubbing and washing tests should be applied 24 hours after curing.  
Suitable to ecological standards.

#### PHYSICAL-CHEMICAL PROPERTIES

**Appearance** : White paste  
**pH** : 7-8,5 (25 °C/ 77 °F)  
**Density** : 1,41 g/ cm<sup>3</sup> (25 °C/ 77 °F)  
**Viscosity** : [(25 °C) sp: 7, rpm: 4 Brookfield ] : 600.000 – 700.000 [mPa.s]

#### APPLICATION

**Printing** : In order to have more covering, whiteness and elasticity, double print is advised with flash cure. To obtain best elasticity the thickness of the film on the surface of the fabric should not be too thin.  
  
In need of improving the elasticity of GS 603 Fine Mesh White – WB, GS 601 Fine Mesh Clear – WB can be added.  
To print on dark colored cotton – polyester blend or polyester fabrics, SP 230 Anti Migration Base – WB should be printed as underbase.  
**Screen** : Silk screens that are made of 77 cm/195 inch mesh 48 micron silk - 120 cm/305 inch mesh 34 micron silk should be used.  
**Squeegee** : 67 Shore V type squeegee should be used.  
**Mixture** : To color GS 603 Fine Mesh White – WB, FA Series (1-5%) or FR Series (5-15%) pigments can be added.  
To reduce the viscosity GS 600 Regulator – WB (1-3%) can be used. After using, the screen should be cleaned with water.  
**Curing** : Should be cured at 160 °C/320°F for 1,5 minutes.

#### SAFETY and STORAGE

It does not contain harmful substances for inhalation and skin when used. However in case of contact to sensitive organs, such as eyes or mouth wash with plenty of water. If necessary, medical assistance is advised.  
Keep containers dry and tightly closed. Store in a ventilated place between (+5)-(+30) °C/(+41)-(+86)°F of temperature.  
It should be consumed within 12 months after the production date.

#### PACKING

In 10 kg, 40 kg and 60 kg or 1 gal and 5 gal of plastic packings.



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