

® CSC SCREEN PROCESS SUPPLIES SDN. BHD.

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TECHNICAL DATA SHEET

XILICONE 600 SERIES

GENERAL INFORMATION

Printing silicone on heat sensitive fabric such as polyester and nylon had always been a problem to printers. Fabric shrinkage and disperse dye migration has been major issue in all print shops. Based on this, our CSC innovation team has developed another breakthrough in heat sensitive fabric printing silicone ink. CSC proudly presents our Xilicone 600 Series ink system.

Xilicone 600 series flash at low temperature which has been a key success for printers to use silicone on an automatic press, directly evolving silicone printing on automatic presses. These are due to the low fusing temperature and fast fusing time of Xilicone 600 that has eliminated the synthetic fabric shrinkage. CSC Xilicone 600 Series is a two-component low flash temperature and fast cure silicone paste rubber. These systems consist of a Xilicone 600 Base, Xilicone 600 White and its Catalyst.

KEY FEATURES

Good printability viscosity, easy for thick screen building, heat accelerated cure and user friendly.

Xilicone 600 has very low flashing and fast fusing temperature.

Xilicone 600 are highly stretchable silicone ink which will be able to stretch up to 6 times of its own size.

TYPE OF FABRICS

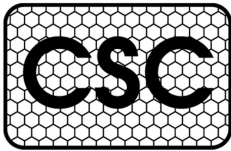
Xilicone 600 is recommended for sensitive polyester fabric as well as highly stretchable cotton, polyester and sponge knitted (Lycra) material.

****ALWAYS PRETEST FASTNESS PROPERTIES BEFORE PRODUCTION****

APPLICATION METHOD

Always mix Xilicone 600 Bases with Xilicone 600 Base Catalyst at the ratio of 1:1.

Optimum thickness of deposit of ink to achieve good elongation is a minimum film thickness of 250µm dry film Xilicone 600 ink thickness.



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TYPE OF STENCIL & MESH

“S” grade of mono-filament mesh are recommended for Xilicone printing.

46S to 54S (120S~130S) mono-filament for high density and rounded puff print effect.

SQUEEGEE AND TABLE

For optimum high density print effect, 65/90/65 shore triplet hardness squeegee is recommended.

INTERMEDIATE FLASHING AND DRYING

Xilicone 600 can be easily flash dried at 80°C/176°F prior printing the subsequent color. For complete polymerization prints are to be cure at 100°C/212°F for 1.5 minutes with Air flow recommended are 56cm or 2000 cfm air.

OTHERS IMPORTANT TIPS

Never use ink that had been mix with catalyst that had been kept for more than 8 hours.

Use Block AC on polyester fabric where migration is extremely bad.

Always remember the optimum ratio mixture for Xilicone 600 Series are 1 parts base to 1 parts catalyst with maximum of 0.05 parts of pigments.

****STORE INK AWAY FROM HEAT AND LIGHT SOURCE****

Info: 11.13.14