

# **® CSC SCREEN PROCESS SUPPLIES SDN. BHD.**

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## **TECHNICAL DATA SHEET**

### **XILICONE SERIES**

#### **GENERAL INFORMATION**

In line with our company's vision for making a better place for mankind to live in, CSC Screen Process Supplies Sdn Bhd has developed a completely new series of environmentally friendly ink that is non-toxic, chlorinated free, surgical grade and user friendly.

The new inks are called Xilicone. CSC Xilicone System is a two-component silicone paste rubber. These systems consist of a Xilicone Trans Clear, Xilicone Trans White, Xilicone 600, Xilicone Suede White 600 and its Catalyst which are Xilicone Trans Clear Catalyst, Xilicone Trans White Catalyst, Xilicone 600 Catalyst and Xilicone Suede White 600 Catalyst.

Xilicone color pigments consist of 13 high concentrated color pigment and 8 florescent pigmented color pastes. CSC Xilicone is commonly being used as an alternative for PVC free High-density ink, Flocking adhesive, Foil Adhesive, Heat resist ink, medical and surgical ink.

#### **KEY FEATURES**

Good printability viscosity can be pigmented easily, heat accelerated cure, easy to use, curing speed can be controlled.

#### **TYPE OF FABRICS**

Almost all Natural and Syntactic fiber textile materials

#### **APPLICATION METHOD**

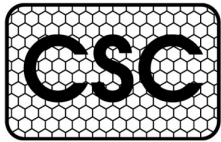
Always mix Xilicone with Xilicone Catalyst in the ratio of 1:1 prior to mixing the required colors. Add Xilicone Concentrated Pigment up to a maximum of 5.0% to achieve your desired color. Use the same ratio suggested for Xilicone White as well as Xilicone Suede.

Xilicone 600 and Suede White are used to achieve suede matte effect for high density Xilicone printing as Xilicone Suede ink are low fusing silicone ink.

#### **TYPE OF STENCIL & MESH**

"S" grade of mono-filament mesh is recommended for Xilicone printing.

41 to 54S mono-filament for high density and opacity.



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### **SQUEEGEE AND PRINTING TABLE**

For optimum high-density print effect, 55/90/65 shore triplet hardness squeegee is recommended. Soft tables are most suitable. To achieve good result for printing halftones, medium hardness silicone laminated table are recommended.

### **INTERMEDIATE FLASHING AND DRYING**

Silicone can be easily flash dried at 100°C-120°C prior to printing the subsequent color. For complete vulcanization, prints are to be cured at 120°C 90 seconds with recommended Air flow at 1500 cfm air.

Silicone will be able to achieve optimum curing performance upon prolonged air exposure for 24 to 36 hours. You can perform your textile crocking and washing performance with excellent result once ink had been set and fully cure.

### **OTHERS IMPORTANT TIPS**

Never use ink that had been mix with catalyst that had been kept for more than 24 hours.

***\*\*Always remember the optimum ratio mixture for Silicone 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: 11.04.2018.