

CSK-9806 Photo Emulsion For Rotary Screen**APPLICATIONS**

Rotary screen printing

GENERAL CHARACTERISTICS

- *Medium viscosity, easy to coating 60-155 mesh
- *Excellent adhesion to nickel rotary screens
- *Dichromate-sensitized photo emulsion for laser or inkjet or conventional photo engraving
- *Very high mechanical and chemical resistance
- *Optimum resolution for fine lines and half-tones

DIRECTIONS FOR USE

Handle under yellow safelight or low wattage tungsten lights. Avoid exposure to daylight, quartz / halogen lamps, cool white fluorescent lamps or discharge lamps. Sensitizing and Mixing: Mixing is dependent upon the coating method used. For top to bottom coating, mix 1000 grams of emulsions, 35-50 grams of sensitizer and 0-200 grams of demineralized water. For best results, use within 1- 2 hours from mixing.

Screen preparation and Degreasing

Thoroughly degrease the rotary screen prior to use with Cleaning Liquor. Dry the rotary screen and store in a dust free, dry environment prior to coating.

Coating

Use with rotary screen coating equipment. For top to bottom method, using a single squeegee machine, we recommend a coating speed of 10 - 15cm/min to obtain a uniform deposit of 300-400 gram emulsion on the screen from the top to the bottom. Apply only one coat. For bottom to top method by hand or machine, apply one coat and dry at 104°F (40°C). If you require a thicker stencil, apply to more coats and dry at 104°F (40°C).

Drying and Storage

Thoroughly dry the coated screen at a temperature of 104°F (40°C) in a well ventilated oven.

Engraving

When different coating methods are used, you must adjust exposure times depending on the emulsion thickness. Reference time: 4-8 times on scanning machine or 1-3 minutes on stationary exposure machine.

Developing

Soak the engraved screen in a tank of water for 2 to 5 minutes or use an automatic washing machine. In either case, ensure a thorough final rinse.

Reclaiming

Before polymerization, It can be remove Emulsions using stencil remover liquid.

Retouching

Inspect the dried screen on an examination shelf. It is necessary to retouch the stencil with Retouching Lacquer for rotary screen if there are pinholes, pattern leakage or screens stoppers.

Polymerizing

Place the screen in oven at 356°F (180°C) for 45—90minutes, when the temperature is reached.

Recovery and Re-use

It can be recovery and re-use the rotary screens after polymerization with CSK ROTARY SCREENS RECOVERY SYSTEM.

HEALTH AND SAFETY

Before using, refer to appropriate material safety data sheets.

STORAGE

When sealed in the original container and stored in cool conditions, CSK chemical products will maintain their original properties for one year from the date of production.

PACKAGING

Available in five and ten kilogram containers. 20Kg per carton.

ADDITIONAL INFORMATION

For additional product information, please contact with us.

Thank you for choosing CSK.

This data sheet is for your information, a legally binding guarantee of the product's suitability for a peculiar application cannot be derived. No responsibilities can be undertaken for occurring damages. Our products are subject to a continuous production and quality control and leave our factory in perfect condition.

Replaces technical information dated 2010/01/04 Update: 2010/01/05