

ZI-CHEM 10510

Pure Photopolymer Emulsion

DESCRIPTION

RSHG SBQ pure photopolymer emulsion is a direct use emulsion, No need for fixing. Fast exposures, 3-5x faster than diazo based emulsions. Excellent for use with Plastisol, Discharge and Water-based ink systems. Extremely durable on press, suitable for use with water-based inks when hardened with RS Hardeners.

PHYSICAL PROPERTIES

- Color: Blue
- Shelf life: 1 Year below 20°C without sunshine
- Solid content: 42%
- Flash point: No flash was detected below 70 °C

APPLICATION

Washing the screen: Before coating the emulsion, the screen must be cleaned to remove the grease by alkaline detergent, then washed with water and dried and kept in clean condition.

Coating: Automatically coating: The emulsion is directly coated with the auto coating machine on both sides of the screen for 1 time and dried.

Manual coating: Keep the screen upright with one side slantways. Coating the emulsion on printing side or other side for 1 time, after drying, coating both side of screen for one more time.

Drying: No matter which coating method is used, generally, the coating should be divided into two times. Drying after coating one-time, drying condition at 35-40°C in an oven with circle wind for 10-15 minutes. After drying, coating another side and drying as before. (The coating method and times are decided by time, temperature and humidity, according to the actual requirements.)

Exposure: Maintain the exposure machine cleaning, check the photographic plate before exposure and the manuscript must be closely integrated with the printing plate. Exposure time is relevant with coating machine, light source (UV-Lamp, Metal-halogen lamp or other), power, distance, film thickness, pattern and so on. So, the exposure time should be determined after the trial.

Development: The exposed screen is immersed in water for 1-2 minutes at 5-30°C or rinse the printing surface regularly by the tap water with pressure (hydraulic pressure: 2-4kgs) until the patterns appeared clearly. And then rinse the scraping surface with tap water without pressure to clean the leftovers. The washed screen is dried at 40°C in an oven with circle wind.

Retouching: Retouching the screen according to the situation.

Curing: The retouched screen needed to be exposed for a second time, then cured by brushing a layer of the curing liquid on both surfaces (suggest absorbing the water left in the screen meshes with the hygroscopic machine) and dried in an oven with circle wind or naturally dried.

PACKAGING

- 1 kg bottle
- 5 kg barrel
- 10 kg barrel

HANDLING & SAFETY

ZI-CHEM maintains a database of safety data sheets (SDS) on all our products.

These contain health & safety information to assist in the safe and appropriate chemical handling, ensuring the protection of personnel. offer detailed site surveys to review your situation