



## MURAKAMI

### LP-UB1 ROTARY SCREEN EMULSION (Bichromate-Free)

- Emulsion for textile printing with rotary screen.
- LP-UB1 is bichromate free, which is safe and good for environment, and also stable for long storage compared with normal bichromate emulsion.
- Applies to laser-engraving process.



1 kg



5 kg



#### Specifications

- Viscosity: ~8000mPa·s (25°C)
- Package: 1 kg / 5 kg
- Storage Temperature: 10-25°C

#### Application Method

- Control viscosity of LP-UB1 by adding water to emulsion (refer to viscosity curve), then store it at cool and dark places one day or filter it with screen mesh etc. to remove bubbles prior usage.
- Coat LP-UB1 on a screen slowly not to contain bubbles into screen opening.
- After coating on a rotary screen, dry screen completely with warm air around 40°C (20-40 min.)
- Harden emulsion on the screen with drying chamber at temperature of 180°C for 90-120 minutes, after drying process.
- Heating at low temperature leads to insufficient hardening of emulsion.
- Sufficient heat-hardening will see the red color of LP-UB1 change into ocher.
- After taken out from a drying chamber, the coated screen should be cooled down at room temperature.
- After cooling, please form the image by laser processing machine.
- After use, it's recommended to filter remaining emulsion to prevent foreign particles prior to pour it back to a bottle.

