

# HARDENER

## - TWO POT TYPE -



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 URL <http://www.murakami.co.jp/english/index.html>

## FEATURES

- Raises water-resistance of stencils to any type of emulsion.
- Increase durability to stencils for printing with solvent-based inks or for printing in high humidity conditions.
- Whereas it does not have intense smell and a stimulus against your eyes often found in conventional hardener, it is still able to achieve same result as conventional one.
- It does not contain heavy metals.



## PACKAGE

- Liquid A + Liquid B. 1kg each
- Liquid A + Liquid DL 1 kg each

## HOW TO USE

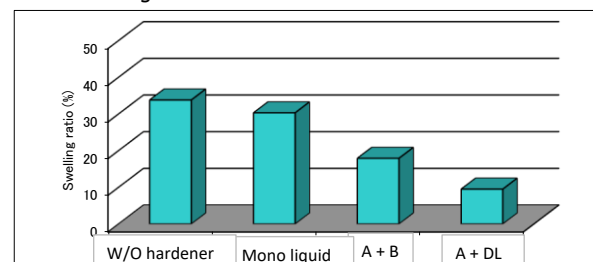
1. Mix liquid A and liquid B or DL at an even rate. Do not use metal container.
2. Coat the mixed solution onto the both sides of the stencil with a brush or a sponge uniformly. Any stencil in insufficient exposure tend to form a thin film. Post-exposing process is recommended before coating the solution.
3. Leave the stencils for one minute to penetrate the solution into the stencil.
4. Wipe out excessive hardener with waste or other cloth. Excessive hardener may form thin film on stencils.
5. Dry the stencils - coated screen for at least 30 minutes in 40- 50 °C. Too low temperature or too short drying time will make effect dull.
6. Wash the stencils out with water and wipe it off. Then dry it completely.

## STORAGE

- Store in a dry and cool place. Close a bottle cap tightly which once opened or mxed.
- Please finish to use the mixed liquid within a week.

## COMPARISON - SWELLING RATIO -

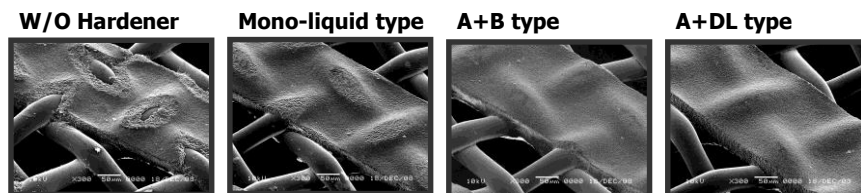
<Effect on general water resistant emulsion >



\* Soak hardened stencils into water for 24 hours and measure each swelling

## COMPARISON - ABRASION RESISTANCE -

- Result after scrape each hardened stencils using wet waste cloth for 100 times with pressure of 1kg on them.



- \* Water resistance : Strong A + DL > A+B Weak
- \* Smell : Weak A + B < A + DL Strong

## CAUTIONS

- This hardener contains acid. Please pay attention not to use metallic containers and instruments.
  - Wear protective goggles and gloves when use hardener.
  - In case of contacting with eye or skin, flush immediately by water. Get immediate medical help for irritation.
- \* Refer to the MSDS before using this product.