

MagnaStrip 610

Solder Mask Remover

- DESCRIPTION** MagnaStrip 610 is an alkaline solution designed to remove cured solder mask from printed circuit boards. It is applicable in stripping a standard solder mask as well as inkjet soldermask. MagnaStrip 610 does not damage circuitry or the laminate and it breaks down the mask for easy rinsing.
- MAKE-UP** Use as supplied (100%).
- EQUIPMENT**
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| Tanks | Stainless steel, polypropylene (up to temp. limit) |
| Heaters | Stainless steel, titanium, Teflon |
- INSTRUCTIONS** Temperature: 60 – 93°C (140 – 200°F)
Strip time is variable and depends on the mask type and temperature: 5 – 60 min. Solder mask will gradually soften and break down. If needed, brush lightly with a soft brush to accelerate removal. Rinse with water spray to remove softened mask.
- REPLENISHMENT** Analyze bath normality using the procedure below. Maintain normality between 4.75 and 5.50 for optimum performance by replacing a portion of the bath with new chemistry when below range. Fresh bath should be at ~5.2 N. Lost volume can be replenished with water (if normality is maintained).

ANALYTICAL**Normality of MagnaStrip 610**

Concentration of MagnaStrip 610 can be determined using a standard acid/base titration.

Equipment: 2 mL pipette
50 mL burette
250 mL Erlenmeyer flask or beaker

Reagents: 1.0 N HCl
Phenolphthalein indicator

Procedure: 1) Pipette 2.0 mL MagnaStrip 610 working bath into a 250 mL Erlenmeyer flask or beaker.
2) Add approximately 100 mL DI H₂O.
3) Add about 6 drops of phenolphthalein indicator.
4) Titrate with 1.0 N HCl from a dark pink to a clear endpoint.
5) Calculate normality of MagnaStrip 610 using the following equation: (mLs of HCl titrant) / 2 = Normality

SAFETY

MagnaStrip 610 is strongly alkaline; avoid contact with skin and eyes. Avoid breathing vapor and mists. Glasses or goggles and rubber gloves should be worn when handling this product. In case of contact with skin, rinse immediately with cold water. For eye contact, flush immediately with water for at least 15 minutes and obtain immediate medical attention. See Safety Data Sheet for further information.

DISPOSAL

Neutralize and dispose of in accordance with all local, state and federal regulations.

DISCLAIMER

This product should be used only for its intended purpose. The information stated above is based on our laboratory tests and experience and is accurate to the best of our knowledge. Since actual use is beyond our control, the recommendations or suggestions are made without warranty, expressed or implied.