

## Etch Control

Extend the life and performance of fountain solutions

All fountain solutions lose strength over time due to contamination (some sooner than others). One of the major causes of weakened fountain solution is the build-up of calcium carbonate from paper fillers. As calcium carbonate builds up within the fountain solution system, it neutralizes and weakens the solution. This contamination can cause a variety of press issues, including the filling in of reverses and fine screen, image blinding, and uneven wetting. As a result the fountain solution has to be dumped and replenished prematurely, costing you time and money. Now you can control these issues and extend the life and performance of your fountain solution. Etch Control suspends built-up calcium within the fountain solution, allowing you to produce sharp, clean halftones, reverses, and screens. It also runs metallic inks with the ease of conventional inks, reduces water settings, prints dense solids, and helps to eliminate ghosting. Etch Control stops scratches, scumming, and oxidation before they occur and removes them if they do occur.

### Advantages:

- Suspends built-up calcium within the fountain solution
- Cleans and desensitizes the plate on every revolution of the plate cylinder
- Keeps reverses razor sharp and fine screens clean
- Stops scratches, scumming, and oxidation

### Recommendations for use:

**Dosage:** 0.8% per liter of mixed fountain solution. If necessary increase up to 1.6% of volume in water circulation system.

For permanent removal of deep scratches during the print run: Add an additional 0.8% Etch Control to the fountain solution system. Remove the ink from the scratch on the plate, using a regular plate cleaner. Pour Etch Control onto a clean shop towel, wipe onto the scratch on the plate.

Using it directly on the plate will keep the deep scratch clean until Etch Control takes over in the fountain solution.

### Physical and chemical properties:

Appearance: Liquid

Solubility: Completely soluble in water

VOC: 22 g/l

Colour: Clear

Boiling point: 90 C

pH concentrate: 2

Odour: Vinegar

Relative density: 1.0 @ 20 C

Flash point: No flash

Packaging: 1 liter / 1 box x 12 liters

## PH值稳定剂

延长润版液的使用寿命，增强其功效

所有润版液在长期使用后都会遭受污染，从而导致其功效减弱，有些还减弱的特别快。润版液功效减弱的一个主要原因就是填纸机内的碳酸钙成分逐渐累积，碳酸钙会与润版液成分中和，从而削弱润版液的强度，具体表现为pH值接近中性。这种污染还会引发印刷行业的其它一系列困扰，诸如反转印刷和平网印刷时的填纸、印版拒墨、以及润湿不均。由此一来润版液也就不得不过早被倒掉再填入新的，白白浪费您的时间和金钱。现在您不仅可以解决这些困扰，还能延长润版液的使用寿命和效果。pH值稳定剂将延缓碳酸钙在润版液内的沉积，使网版、反转版产品锐利整洁。它还能让您在使用金属性油墨时像使用常规油墨一样易如反掌，更可以减少水凝固、印刷密实固体、并且有助于去除重影现象。而可在摩擦显像、版面玷污以及氧化等现象出现之前将其遏止；即使出现了，pH值稳定剂也能予以去除。

### 优点:

- 延缓润版液内碳酸钙的累积;
- 在印刷滚筒每次回转时，清洁并消感;
- 使用金属性油墨时就像普通油墨一样容易;
- 消除摩擦显像、版面玷污以及氧化等现象;
- 保持印版网点的锐利，保持印版的洁净。

### 使用方法:

用量：在每开的润版工作液中加入0.8%的EC润版添加剂，必要情况下可以增加到1.6%的比例。

为了永久性去除因印刷过程中摩擦造成的印版刮痕，可以在润版工作液中添加额外的0.8%EC润版液添加剂，再用常规的印版清洁剂去除印版刮痕处的油墨，用一块洁净的毛巾沾上EC润版添加剂后，擦拭印版上的刮痕处的洁净，直至EC润版添加剂在润版工作液中开始发挥效用为止。

外观：液体

颜色：透明

气味：醋味

溶解性：溶于水

沸点：90 C

相对密度：20°C时1.0

VOC：22 g/l

pH值：2

闪点：无

包装：1 公升/瓶 12 瓶/箱

