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**HUNTER PENROSE**

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## PRODUCT INFORMATION

Presensitised Process engraving Zinc

# Hydro-Solve®

## PROCESSING INSTRUCTIONS

**Hydro-Solve** Coating is available in two colours, **RED** for magnesium and **BLUE** for other metals. Processing is the same for all metals.

### EXPOSING **Hydro-Solve** PLATES

**Hydro-Solve** requires 500–1000 mJ/cm<sup>2</sup> to achieve the required cross-linking density. Using a Stouffer 21 step sensitivity guide, expose to hold solid step 8–9 following correct development. A series of test exposures will quickly determine the amount of exposure needed. Under exposure will result in image loss or coating failure.

### DEVELOPER FOR **Hydro-Solve** PLATES

**Hydro-Solve** Developer is supplied as a concentrate. Mix 1 part developer to 3 – 4 parts water to make working strength solution. The more concentrated solution will react faster.

**Hydro-Solve** Developer is designed to work efficiently at room temperature 21°C (70°F).

### DEVELOPING **Hydro-Solve** PLATES

**Hydro-Solve** is suitable for tray or dip tank developing, (equipment must not be constructed from aluminium). Plates will normally develop within 3 minutes of immersion, following gentle agitation. Once developed, plates should be removed and immediately washed-off using a forceful spray of cold water to remove residual resist from non-image areas. At the end of this process, the whole plate should be wiped systematically with a soft pad to clean up the image.

Machine/spray development - suitable equipment may be employed using the above guide lines.

### OTHER OPERATIONS

**Hydro-Solve** plates may be descummed using a 1-2% solution of Nitric Acid. However, because processed prints are very clean, stronger descum procedures are *not necessary* to ensure a clean etch and will reduce the overall performance of the plate.

For further information on Hydro-Solve and our other products please contact :

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