INSTRUCTIONS FOR HALO-CHROME SILVER TONER

Halo-Chrome tones black-and-white prints pure metallic silver by fusing the black grains of colloidal silver that make up the photographic image together into solid silver.

Halo-Chrome requires the addition of non-sudsy household ammonia and 2 one-quart bottles.

Obtain a bottle of clear household ammonia at the cleaning supplies section of hardware or grocery stores. (10% strength works best.) Dilute one part of ammonia with 2 parts of water. Store in a tightly-stoppered bottle marked "Activator" at room temperature.

Prepare the bleach solution by adding the small bottle of green bleach to one quart (liter) of water. Add one tablespoon (approx. 1 oz.) of table salt. Store the solution in a glass or plastic (not metal) bottle labeled "Bleach" at room temperature.

Silver image with white background. *Example: a black tree against a white sky, after Halo-Chrome toning, becomes a silver tree against a white sky.*

Choose a high-contrast negative. Expose normally onto either RC or fiber-based paper. (Note: Halo-Chrome works best with freshly manufactured photographic papers. Arista EDU works well). Develop with paper-developer such as Dektol, and fix with Kodak Fixer or other hypo-based fixer. (Avoid "rapid" fixers, which may fade the image.) Wash the print thoroughly.

The remaining steps can be done under room light:

Immerse the print in the bleach solution until only a yellowish ghost-image remains. Rinse the print. (The bleach can be re-used.)

Just before use, mix 1 part of Halo-Chrome with 6 parts of Activator. Use only enough solution to cover the print. Immerse the print with constant agitation until silvering is complete. (A second print can be toned immediately afterward). Warm solutions silver faster.

Discard the used solution. Rinse the print and place it back in the fixer for a few seconds, or until any stains disappear. Wash the print 5 minutes or more and dry.

Black image with silver background. *Example: a black tree against a white sky, after Halo-Chrome toning, becomes a black tree against a silver sky.*

This procedure is different from the silver-on-white process, as silvering takes place before the fixing step. Develop the print normally, and when complete rinse for one minute and immerse with agitation in the Halo-Chrome solution until silvering takes place. Rinse, fix and wash the print.

Silver image with color background. *Example: After Halo-Chrome toning, a silver tree against a white sky becomes a silver tree against a pastel-colored sky.*

A silver-on-white print can be made silver-on-color by immersing it in Rockland Printint colorant until the desired intensity is reached.

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