

Galvanized and Copper Pipes in Historic Lake Arrowhead Boat House Preserved with CuraFlo Epoxy Pipe Lining

The Problem:

A beautiful 75-year-old house on the shore of Lake Arrowhead in the San Bernardino Mountains had grown from an A-frame boathouse to a four-story, eight-bedroom, six-bath 5,000-square foot mansion. The plumbing system needed repair – the owners were tired dealing with rusty water and low flow -- but they didn't want to rip into the walls and floors of hardwood and natural stone to remove the old galvanized and copper pipes.

Neither did they want to spend upwards of \$500,000 for a 4-6 month project to locate, remove and replace the pipes. Plus they needed to have it done in the summer months and not wait for winter.

The Solution:

Brinks CuraFlo of San Diego came in with an affordable proposal to line the aged pipes with their proprietary, high-tech, epoxy formula. The patented process includes drying and cleaning the inside of the pipes, and then blowing the epoxy lining into the piping system in 100-foot segments, filling pinhole leaks and creating "a pipe within a pipe."



Brinks' four-man, three-vehicle crew was in and out of the historic Boat House in four weeks, on time and on budget. Their restoration bid was a fraction of the repiping cost.

Much of the plumbing system had to be brought up to current building codes, including forming a "dielectric union" between the galvanized and copper pipes wherever they were joined to inhibit electrolysis. Brinks' crew used electric current and fiber optic technology to trace and locate every joint and turn of the pipes in the walls, under stone floors and under ground. The hot and cold lines were cleaned and coated separately, leaving a source of water in service most of the time.



CuraFlo from Brinks Services
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