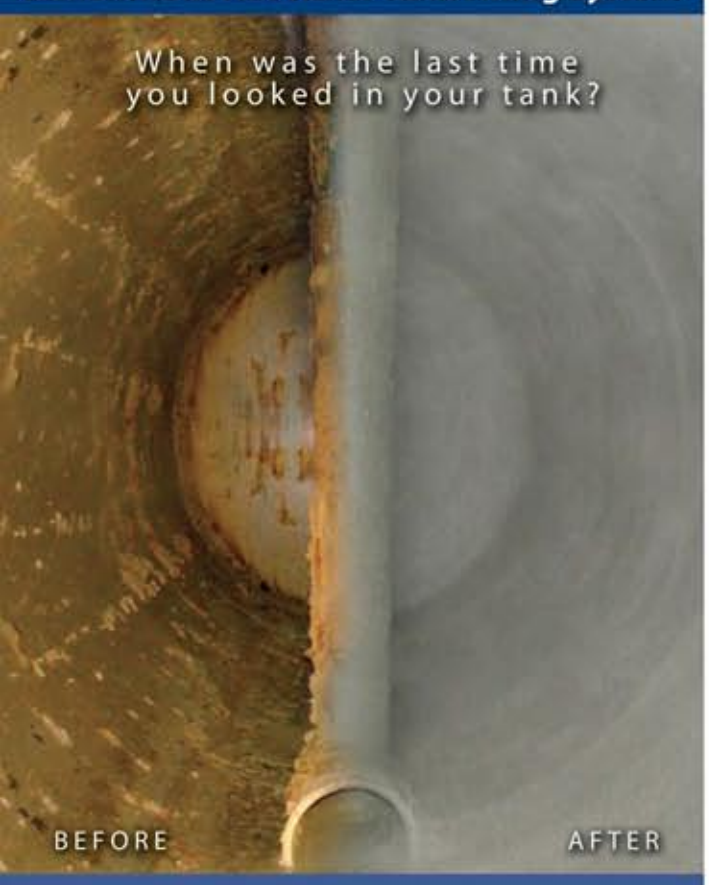
HYDRA STONE USA

Cementitous Hot Water Tank Lining System



See the Difference of Hydrastone

ONE SOURCE. ONE SOLUTION.

Hydrastone provides services for hospitality, medical, manufacturing, educational and other institutional facilities. With periodic maintenance and relining you can gain decades of use from your tanks, saving many thousands of dollars in capital expenditures. Our Hydrastone crews can supply internal tank services to coincide with your facilities schedule.

PRIORITY SERVICE

In many cases tank and lining failures happen at the most inopportune times. Our Hydrastone field teams will respond to your immediate needs on a priority basis from many locations in North America.

HYDRASTONE'S ALKRETE® LINING MATERIAL

Using our Calcium Aluminate Cement lining material designed specifically for potable domestic hot water tanks, Hydrastone relines more DHW tanks than any other company in North America. "Alkrete" is completely resistant to virtually any condition inside a hot water tank, including softened water and extremely high temperatures. Hydrastone's Alkrete is used in the original manufacturing of many quality tanks, for both hot and cold water use.

With an outstanding 40-Year history "ALKRETE" is the number one lining material for hot and cold potable water storage tanks.

"ALKRETE" is only available from Hydrastone.

Drinking Water
NSF/ANSI 61

Hydrastone USA offers several limited warranties in conjunction with approved preventative maintenance programs. Our ANSI 61 compliant calcium aluminate cement lining also meets CSA and NSF standards.

HYDRA STONE USA

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Serving all 50 States

TANK CEMENTITIOUS RELINING

There comes a point in the productive lifespan of each hot water tank when service is needed to maintain the tanks integrity. Cementitious relining is recommended when the present lining begins to fail. Failure to reline will result in further erosion which will thin and then permeate the outer steel wall. Erosion of the outer steel tank wall will ultimately result in tank failure.

Unfortunately many DHW tank corrosion problems are not discovered until the laundry or food service departments call facility's management in a panic saying their hot water has turned rust colored. This is the corrosion of the steel migrating through the old failed lining. Each year Hydrastone responds to hundreds of these situations. Preventive maintenance can guard against rusty water and leaking tank shells.

As a rule of thumb, a tanks internal lining will fail long before the potential lifespan of the steel tank is exhausted. You can extend your tanks' lifespan with Hydrastone cementitious relining. Taking this maintenance action can eliminate the cost of replacing a tank.

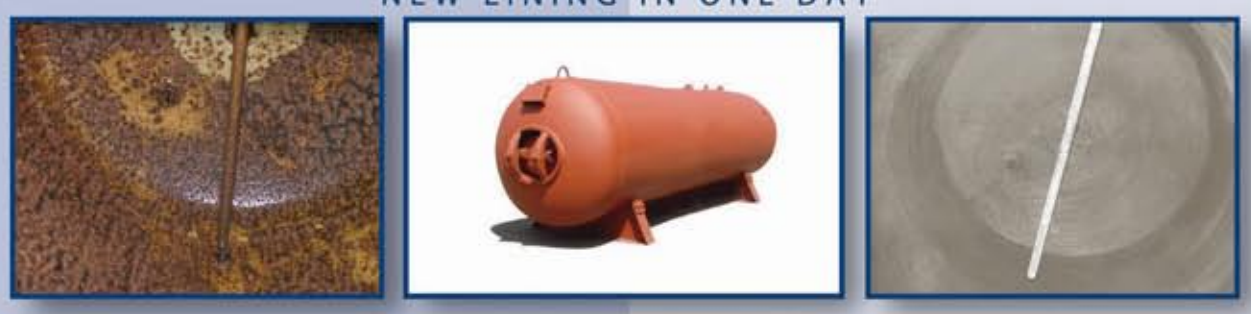
SACRIFICIAL ANODES

WHY MANY TANKS FAIL

Most tanks fail due to a lack of protection from corrosion. Sacrificial anodes ensure protection for the steel surfaces in a storage tank that cannot be protected by the lining, such as couplings, bushings and collars. These are the most common areas for unexpected leaks. A sacrificial anode produces a small electrical current which corrodes the anode instead of the tank's unlined areas. Some anodes can be serviced from the exterior of the tank while others require entry of the vessel. Sacrificial anodes should be replaced when they are depleted and no longer protect these exposed areas.

Hydrastone is the largest field installer of sacrificial anodes, installing thousands of magnesium anodes in storage tanks yearly throughout North America.

NEW LINING IN ONE DAY



BEFORE A corroded and pitted Domestic Hot Water Storage Tank. If the corrosive action had continued, the tank would soon have required costly replacement.

AFTER The finished product. A Hydrastone calcium aluminum cement lining was applied at a minimum 5/8" thickness, and further corrosion has been stopped. The tank was relined on site, and put back into service within 30 hrs.

CONDITION & MAINTENANCE OF YOUR TANK

PREVENTATIVE MAINTENANCE ELIMINATES COSTLY REPAIRS OR REPLACEMENT!

		IDEAL RELINE PERIOD			CRITICAL RELINE PERIOD
GENERAL MAINTENANCE	Inspect, clean and replace sacrificial anodes			Existing lining has deteriorated. Tank relining is recommended.	Existing lining is fully deteriorated. As tank age increases, lining deterioration and substrate corrosion worsens. Tank replacement may be required.
Years	5	10	15	20	25+