



SCIENTIFIC ANALYSIS: DATA FROM A TEST OF THE SYSTEM ON HIGHLY CALCIFIED POOL SURFACES

WWTS: THE WELLPURE WATER TREATMENT SYSTEM™

TYPE OF SURFACE	CALCIUM ON THE SURFACE – UG/CM2		CALCIUM REDUCTION, TIMES	WATER			
	CONTROL	WWTS		PARAMETER	INITIAL	CONTROL	WWTS
Glazed Tile	318.1	104.1	3.0	EC, mS/cm	1.08	1.59	1.64
Plaster I	1746.6	973.4	1.8	pH	8.16	7.53	7.46
Plaster II	3157.8	2295.9	1.4	Ca, ppm	77.9	90.6	128.6
Plaster III	785.5	720.6	1.1	Mg, ppm	26.5	23.9	16.2
Pebble Finishes	1781.9	995.6	1.8	Cl, ppm	90.6	335.4	331.3

CONCLUSION

Levels of calcium found on tile, plaster and pebble-based pool surfaces were reduced by up to 300% after immersion in circulating water treated with The Wellpure Water Treatment System *Pool & Water Feature Version*, compared to control. Ionic concentrations of calcium in treated water was 42% higher than control indicating that previous calcium carbonate deposits had been dissolved after approximately two weeks of exposure to treated water.

Visual observation supported the hypothesis that WWTS reduced scale formation and removed prior crystal deposits as a majority of the surfaces appeared cleaner and more vibrant in color.

THE WELLPURE WATER TREATMENT SYSTEM™

wellspringwatertechnologies.com

CONTACT WELLSRING WATER TECHNOLOGIES TO LEARN MORE ABOUT WELLPURE WATER TREATMENT SYSTEMS



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POOLS AND WATER FEATURES



THE WELLPURE WATER TREATMENT SYSTEM™ POOL & WATER FEATURE VERSION

AS A TRULY “GREEN” SYSTEM THE WELLPURE WATER TREATMENT SYSTEM IS NOT A FILTER OR FERTILIZER, IT REQUIRES NO CHEMICALS OR ADDITIVES, USES NO ELECTRICITY, PRODUCES NO WASTE AND HAS NO MECHANICAL MOVING PARTS.

OVERVIEW

The Wellpure Water Treatment System, provided by Wellspring Water Technologies, uses the latest breakthroughs in nanotechnology and cutting-edge water treatment advances in a proprietary combination, under controlled conditions, to treat water by altering its physical and chemical properties.

High concentrations of dissolved solids in municipal or natural source water (or hard water) can lead to the deposition of unsightly, hard, calcium-carbonate deposits on pool and water feature surfaces and inside expensive equipment. The Wellpure Water Treatment System *Pool & Water Feature Version* helps keep these calcium deposits from forming.



THE WELLPURE WATER TREATMENT SYSTEM FOR POOLS AND WATER FEATURES

In addition, over time the system causes the breakdown and elimination of these unsightly and harmful hard water deposits. Hard water also shortens the life of pipes and pool equipment resulting in increased maintenance costs over time. Treatment with The Wellpure Water Treatment System *Pool & Water Feature Version* reduces these hard water effects on your equipment, extending its useful life and significantly reducing maintenance costs over time.

Crystal formation normally occurs via a “seeding” effect on the surfaces of naturally-occurring, foreign carbonate particles. Ordinary water tends to surround these carbonate particles with complexes of 100-200 water molecules each. These surrounded particles are no longer available as crystal “seed” material.

As a result, crystal formation in water with high concentrations of calcium carbonate tends to occur on other hard surfaces such as tile, plaster, metal and plastic. Wellpure Water Treatment System treated water directly affects the equilibrium of carbonate in water and breaks up the large, water molecule/carbonate complexes. Thus, after treatment, calcium carbonate precipitates on particles in solution, not on hard surfaces, and is removed by filtration, or completely dissolved, depending on the rate of water flow in the system.



IN STUDIES PERFORMED TO DATE, THE WELLPURE WATER TREATMENT SYSTEM

Significantly reduced and even eliminated hard water deposits on pool and water feature surfaces (tile, pebble, plaster).

- Reductions in hard water scale of up to 300% were seen on certain sample surfaces exposed to treated water compared to control samples exposed to untreated water from the same source.
- Pool water quality is also noticeably improved producing a much clearer, sparkling look and a pleasant “silky” feel on the skin of swimmers.



**DELIVERING ENHANCED WATER,
EFFICIENTLY, IN SYSTEMS
INSPIRED BY, AND IN
HARMONY WITH, NATURE**

In addition to the benefits The Wellpure Water Treatment System brings to water, our team also employs the best available pumps, filtration and delivery systems enhanced by the use of, and inspired by, natural features and the use of renewable energy sources to deliver enhanced water at the lowest cost and environmental impact.

We have designed and installed beautiful, “green” delivery systems for residential, recreational and agricultural uses that operate at ultra-high levels of efficiency in harmony with their natural environment.

