

SCALEBLASTER[®]

WATER CONDITIONER

APPLICATIONS

Sustainable Solutions to Hard Water Problems

CLM-523



Hair Salons

Hair Solon Applications

The minerals and chemicals that make up hard water will affect the health of your hair and skin. Any chemical imbalances in your water will impact how well your shampoo and conditioner work to clean and moisturize your hair. A primary culprit for problems with your daily hair regimen is hard water full of minerals that aren't necessarily harmful themselves but wreak havoc on your hair.

What makes hard water bad for hair?

Hard water is water that is high in mineral content. The amount and type of minerals vary from one water source to another, but the primary heavy minerals are calcium, magnesium, and iron. They aren't harmful to your health if present in your water, but you'll definitely notice a difference in your hair when compared to soft water. Minerals build up after they dissolve in the water and create a thin film on your hair that causes it to be dry, dull, strangely colored, or tangled. It can also cause buildup on your scalp and create a condition similar to dandruff.

How does hard water effect shampoo?

The minerals in hard water make it more difficult to lather shampoo when washing your hair. This causes you to use more to get the same effect and can cause excessive buildup. The minerals make it impossible for the shampoo to dissolve, thus creating a condition where your hair feels heavier and weighted. This leaves the shampoo in your hair to block hydration and clogs the pores, making it impossible for conditioners to effectively penetrate your hair. Shampoos designed specifically for hard water are formulated to function better in water with high mineral content than traditional shampoo.

Some effects of ScaleBlaster at a Hair Solon

- Hair will feel silkier and more manageable
- Shampoo will lather up more and rinse off easier.
- Cleaning will be easier
- Towels will be brighter and softer
- Use less detergent when washing towels
- Better water pressure

Other effects of hard minerals

Hard minerals suck moisture from your hair and make it brittle. They can also cause your water to taste odd, dry out your skin, and leave buildup in your shower, and cause discoloration.

For the building maintenance, water hardness makes cleaning operations more difficult.

In the laundry, hard water leaves soap curd and detergent deposits on fabrics. This dulls colors and gives a grey or yellow appearance to white fabrics. Hard water soap curd also cling to fabric fibers, causing threads to become brittle and shortening the life of the material.

- Hard water wastes soap and synthetic detergents.
- Hard water spots and streaks glassware and dishes.
- Hard water builds up scale deposits in all water-using appliances and clogs hot water pipes.

Even more important to the salon owner, hard water hampers good grooming efforts.

Scale is one of the most serious problems caused by hardness mineral deposits. This particular by-product of water hardness puts many water-using appliances out of service. It clogs hot water pipes and can sharply reduce the heating efficiency of a boiler or water heater. When hard water is heated, scale is formed. This is due to

- the breakdown of calcium and magnesium bicarbonates
- their reversion to the highly insoluble carbonate forms
- their precipitation from the water
- their concentration on the interior surfaces of the water heater

Under certain conditions the deposits can form "sludge". Both sludge and scale can lead to a sharp reduction in operating efficiency.

Protect Your Appliances - Your appliances & fixtures that come in contact with hard water will operate much more efficiently and will have a prolonged life expectancy with **ScaleBlaster** installed.

ScaleBlaster will remove limescale deposits while prolonging the life of...

- Piping Systems
- Water Heaters
- Dishwashers
- Tankless Heaters
- Washing Machines
- Toilets
- Faucets
- Showerheads
- Sinks
- Coffee Makers
- Humidifiers
- Radiant Heaters



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800-756-7946

