

Aqua Mix, Products and Services:



We have an extensive association with M/s **Aqua mix Inc**, USA.

Aqua Mix is a privately held company with a storied history of delivering innovative products for stone, tile, masonry, and grout utilizing its **unique** water-based formulas and solutions. Aqua Mix was the first company to manufacture and distribute water-based sealers and care and maintenance solutions that were **non-toxic, non-flammable, and easier to work** with on the job for both professionals and **do-it-yourselfers**. Aqua Mix celebrates more than 27 years of being the **Global Leader** in stone and tile care and maintenance with smarter products, professional results, and unparalleled dedication to service. Manufactured in USA, *AquaMix* has been the preferred company with leading consultants and Architects both internationally and in the domestic arena. *AquaMix* is voted as the #1 Sealer in USA by Architects, Engineers and Interior designers.

AquaMix were the first to introduce **water based sealers** and is the unique company in the world using **polymer** based impregnator sealers unlike all others that are using Silicate products. Polymer technology is far superior in giving longer life by way of protection to the stone and can withstand extreme temperatures without breaking the sealer. *AquaMix* range of products are **Eco-friendly GREEN, Bio-degradable**, water – based, anti bacterial, anti fungus, UV resistant, stain resistant and slip resistant. Removing and inhibiting efflorescence has been a easy task for *AquaMix*.

Aquamix Sealers are no or low VOCs (volatile organic compounds), and exceed the strict state and Federal requirements for VOC emission limits. VOCs are compounds that may

vaporize and enter the atmosphere, potentially affecting air quality. Aquamix's Build Green™ program is a leading model in the construction industry, supplying customers with environmentally-friendly products and the peace of mind that they are contributing to a cleaner world.

We provide our customers with products and services based for Sealers, Cleaners, Colorants, Stone Care, Problem Solvers, Adhesives, and Specialty Kit products.

Let me take the privilege of highlighting few of our exclusive services and niche solutions provided for the Natural Stone & Tiles care and maintenance industry from **Aqua Mix**.

A) Crystallization -



Is a chemical transformation of the floor surface, similar to the conventional polishing of marble at the factory. A portable machine incorporates the polishing compounds on a clean, dry surface (stripped of wax) to produce a renewed floor surface. Not even the best wax polished floor can compete with a crystallized floor surface. We achieve a real mirror glass appearance with a fascinating aesthetic effect. Dust and noise has nowhere to adhere; maintenance time will be reduced to a minimum. Slurry is minimal leaving the surrounding areas clean and tidy.

B) Stone Restoration - Remove and restore back light surface scratches, abrasions, etch marks, shower wall streaks, water marks, and glass ring marks.



Marble Crystallization, giving a poly urethane/Glass coating like effect. Total time taken for 100 sq.ft. is One hr.



For best results, polish using Diamond Pads followed by crystallization using Aquamix Reviver followed by buffing using Aquamix Marble Repolish. Doing all these stages will show a reading of above 92 on the gloss meter depending on the type of marble.



No mess, no noise, no odor. Yields results faster than any other process or methods of polishing.

Crystallization on a polished surface can be done at a rate of 100 sq.ft per hr.

Buffing on a polished surface can be done at a rate of 500 sq.ft per hr.

C) Sealing & Protection



A matter of Definition:

The terms “**sealers**”, “**impregnator**” and “**water/oil proofing**”, “**water/oil repellent**” are often used interchangeably; in fact, they have technically different meanings from each other and this is where some of the confusion and unrealistic expectations originates.

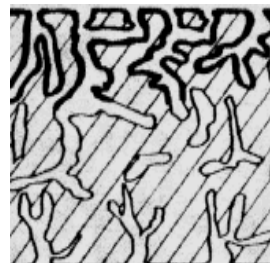
- **Sealers:** Conventional these are “**film forming surface coatings**”.
- **Impregnators:** These contain chemical and mineral agents that are absorbed into the pore / capillary structure of the stone or masonry materials that will modify certain physical properties.
- **Water/Stain/Oil Proofing:** “**Proofing**” implies the application of a protective film forming coating or total pore closing agents that the stone or masonry material. These are “**non-breathable**” treatments.
- **Repellents:** These are formulations of chemical and mineral agents that are absorbed into the micro – pore structure, modifying their size thus restricting the natural migration of moisture or oil into the stone. These are “**breathable**” treatments.

When you see or hear the terms sealers, sealant, impregnators or repellents used they generally refer to one other.

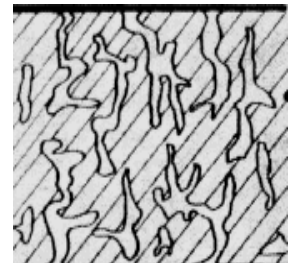
Stone Treatments:

Stone treatments have been divided into two major groups....

- **Impregnators:** These are penetrating subsurface treatments.
- **Coatings:** They are surface film forming applications.



Impregnators



Coating

Both groups contain breathable and non – breathable treatments. This is an important factor when considering any treatment for stone and masonry surface.

Should natural stone be sealed?

In some cases it makes perfect sense to seal the stone. Once properly sealed, the stone will be protected against every day dirt and spills. The stone should be treated with water and or oil repellent. This type of treatments modifies the absorption factor of the stone and minimizes staining.



Unprotected



Protected

What does Sealer do?



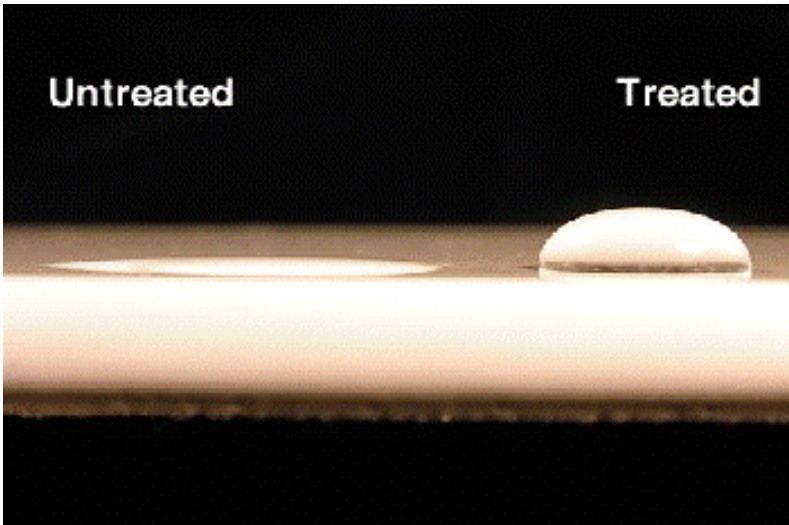
Water soil and oil staining substances combine to penetrate the pores and buildup in them



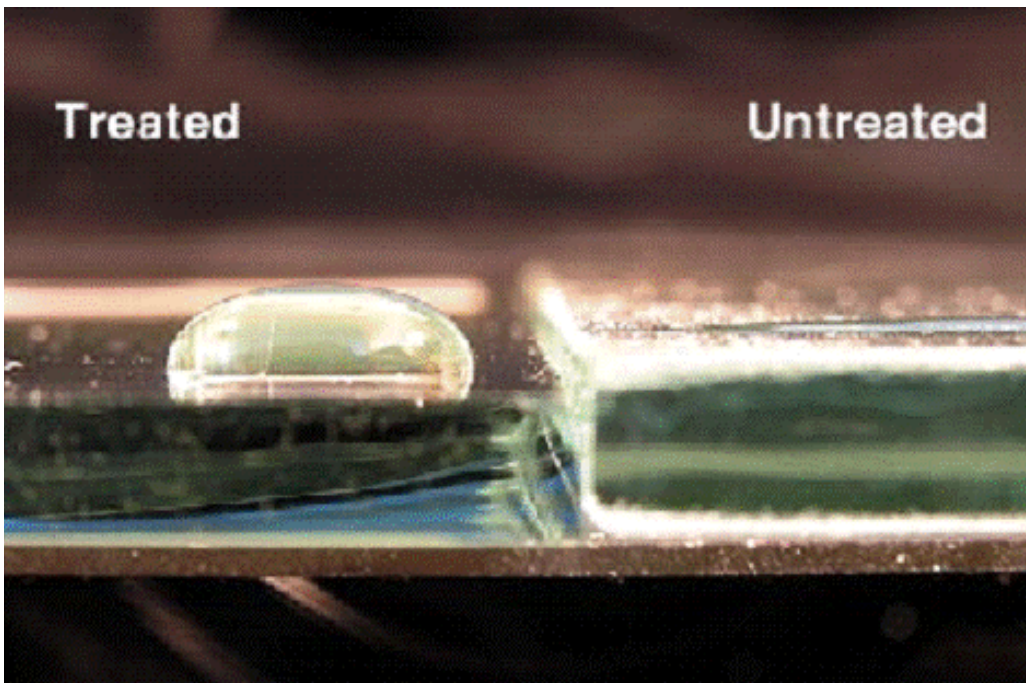
The surface becomes actively water, oil and stain repellent.

What the sealer does achieve is a dramatic reduction in the porosity of the stone and in doing so reduces the amount of catalyzing water and hence staining.

Protects and Seals the surface or grout in-between the Natural Stone and Tile with the help of Sealers or Tile Grout Colorants. Provides maximum stain protection, especially in food preparation and serving areas and simplifies maintenance. Does not let the contaminant or stain to penetrate into the surface making the area difficult to be cleaned or restored.

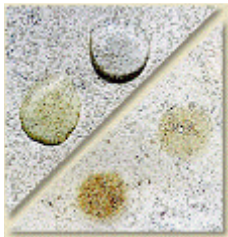


Water droplets seem to appear like beads. This is because of the low surface tension on the surface created by the sealers.





Water droplets on a piece of very porous Mexican Cantera Stone. The bottom half was treated with Invisi-Guard. Top half untreated. The stone was dipped in water, then water was placed on the treated half. Note: Top half is darkened by water absorption.



Half sealed and half unsealed. Shows both water contaminant and oil contaminant



Sealing does protect against fading, growth of algae or mildew, prevent efflorescence and staining.



Tile grouts not stained due to the effect of grout sealing.



Surface coating to give protection from external abuse.



Before and after restoring terracotta tiles.

Benefits of using Sealers:

- ☛ **Slows down the deterioration of the stone**
- ☛ **Economic benefits; waxing becomes unnecessary**
- ☛ **Retains the original appearance of the stone**
- ☛ **Allows Vapor Transmission (Leaves the surface breathable)**
- ☛ **Impregnating agent; wears out only as the stone wears out**
- ☛ **Leaves no film or slippery surface**
- ☛ **Prevents the growth of organic staining (mold, mildew).**
- ☛ **Slip Resistance, Stain protection underneath**

All Aqua Mix Sealer's allows moisture vapor transmission, which is most essential for Natural Stone.

Vapor transmission

All stones breathe. This means they breathe up moisture from the slab and setting materials and they tend to breathe in moisture from external sources as well. This means all stones should be sealed using a penetrating sealer that allows vapor transmission and at the same time inhibit staining. While using a light stone over a large area, you may check the moisture in the slab (hydrostatic pressure) before installation begins. Keep in mind that as moisture passes through the stone, it's possible to discolor some lighter stones from within the stone itself.



Before and After applying wet look sealer on a dull marble surface. Will give excellent results on flamed and non polished surfaces.

D) Stain Removal -



Remove cured grout and mortar haze, rust and mineral deposits including efflorescence, deep-set oil and grease stains, food stains, urethane coatings, synthetic finishes, adhesives and paints.



Before and after treatment of Efflorescence on unpolished S-white Granite slab and grout joints. After removal of efflorescence the surface has been treated with a wet look sealer.



Before & After Stain Removal

E) Cleaning -



remove grease, food stains, soap scum, hard water deposits, dirt and soil from grout joints. Restore color and appearance of dirty and stained grout grease, soap scum, body oil, mildew stains and algae from areas that have been neglected or subjected to heavy use and strip off synthetic and acrylic waxes and floor finishes.



Before and after cleaning floor covered with red soil stain and lacquer polish spray particles.



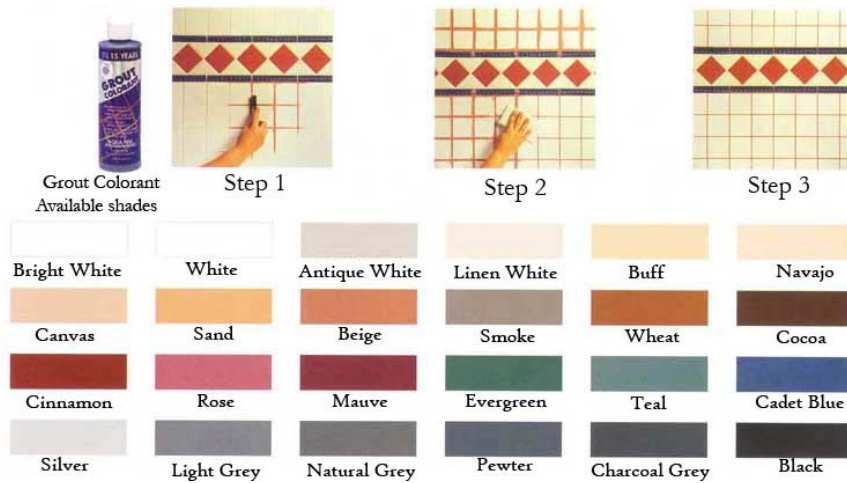
Before and after removal of wax and food stains from Sandstone



F) Tile Grout Coloring -



re-color, seal and rejuvenate existing grout joints.



DIY, Do it yourself products.



Grout joint unstained from food (pasta) as its protected.





Before and after tile grout colorant application on the dirty tile grout joints.





Before and after tile grout colorant application on the dirty tile grout joints.





Before and after tile grout colorant application on the dirty tile grout joints.



New Products from Aquamix:

Aquamix Extreme replaces our ordinary acids used for cleaning and is a much safer product on Natural Stones. An excellent product for removing red soil stains or any mineral deposit stain. **Aquamix Nanoscrub** uses *Nano technology*, wherein the particles are nano sized and they easily penetrate into the pores of the stones, brings out the dirt or contaminant and cleans the entire surface easily.



Aquamix Nanoscrub and Aquamix Extreme performed wonders when cleaned over a sandstone surface that has been exposed to cleaning everyday.

Aquamix Tem Pro is used on any stone surface where it is likely that the area be blemished or messed up due to workers moving around, grout smears or cement work and etc. **Aquamix Tem Pro** acts like a thick film or plastic sheet spread over the surface and tolerates any kind of abuse over it. It has to be re-applied as and when required depending on the surface abuse. Once the area is free of all work and is ready for occupation, **Aquamix Tem pro** can be removed using **Aquamix Strippers**. This will help the surface to remain as new as it was when laid.

Aquamix Pro Block acts as a back coating sealer. Helpful before grouting or laying the stone. Very often, when the stone is laid on the wet grout slurry, chances are that the wet cementitious liquid along with other minerals found in the grout and sand gets absorbed into the stone. Gradually over a period of time, these get slowly to the above surface and seem to be stained or discoloured. A common example seen on white marbles are an orange brown discoloration over a period of time. This is nothing but mineral stains that have come up from beneath the stone. It also prevents Efflorescence.

Brief Clientele

A few prestigious works in UAE of *AquaMix* were of the Emirates Palace Hotel, Abu Dhabi wherein 7000 gallons of sealers were used to seal the sandstone and Porcelain tiles used in the construction of the hotel. Burj Dubai, the world's tallest building (under construction) is also using *AquaMix* range of products on all their Natural Stones and Tiles. The Palm Atlantis (\$1.5 Billion hotel project) and the new Dubai Airport Terminals completely used *AquaMix* range of products for its entire solution of Natural Stones and Tiles. In Kerala we are trying to cope up with the others across the globe. Currently we are doing a project for The Indian Naval Academy under their main contractor IVRCL, one of worlds biggest Naval Training Academies and Asia's largest with state of the art technology. Our scope of work includes cleaning and sealing with wet look and natural look for a total area of above 2 Lakhs sq.ft. Apart from this we've done work for prime Five Star properties like The Leela Kempinski, Kovalam, Kerala, The Taj group etc.

Industry Leadership

Aqua Mix plays an important role in the stone and tile care and maintenance industry with active involvement in the following associations.

- Building Stone Institute (BSI)
- Ceramic Tile Consultants (CTC)
- Ceramic Tile Distributors Association (CTDA)
- Ceramic Tile Institute of America (CTIOA)
- Construction Specification Institute (CSI)
- International Masonry Institute (IMI)
- International Stone Institute (ISI)
- Marble Institute of America (MIA)
- National Terrazzo and Mosaic Association (NTMA)
- National Tile Contractors Association (NTCA)
- Western States Ceramic Tile Association (WSCTA)

Beautify and Protect your Investment

Preserve the beauty and durability of your natural stone and tile with Aqua Mix sealers, cleaners, and other products:

- Extend the life of stone, tile and grout
- Sealers protect the surface by putting a barrier between the contaminate and the stone
- Sealers provide stain resistance by allowing reaction time to clean the surface, making it easier for ongoing maintenance
- Antibacterial cleaners keep the surface hygienic by killing mildew and bacteria
- Restoration products add luster and enhance the beauty of the surface
- Non Aqua Mix cleaners that contain acid, bleach, or vinegar should never be used. Even light solution will etch and eventually damage the surface and strip the pigmentation from colored grout

USP (Unique Selling Proposition)

1. All our chemicals carry Aquamix product guarantee.
2. All our chemicals are environmental friendly, non-toxic and non-flammable.
3. Internationally trained manpower/Applicator licensed by the parent, Aqua mix.

We're confident of providing any technical assistance to the enhancement of your prestigious properties where precision care needs to be undertaken to earn you more than satisfaction from your valuable customers. We've the technical expertise to enhance the look of Natural Stones and rejuvenate the appearance and shine of their surfaces thereby redefining their original look.

We believe in continually moving forward with improved products that are easier to use, work better and last longer. Because we measure our success by your satisfaction, we feel it's equally important to provide reliable service and expert technical support. So you have not only the right materials for the job, but the peace of mind that comes from knowing they're being used properly.

Plackal Trading & Services Pvt. Ltd.
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