

## MGS™ Mortar & Grout Solution FOR TILE AND STONE APPLICATIONS

### MANUFACTURER

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### PRODUCT DESCRIPTION

Aquron® MGS™ Mortar & Grout Solution is a clear, environmentally natural, non-toxic, odorless, colloidal liquid.

### BASIC USE

MGS™ used in the pool industry is used in the mixture of Mortar and Grout for tile and natural stone applications to strengthen, densify, and increase the impermeability of the construction system. This protection will also assist in reducing or eliminating efflorescence issues for tile in contact with water. Water in transit over a vanishing edge weir or Spa can produce efflorescence issues by simply drawing out soluble salts from the grout and also the mortar bed even when the concrete shell wall is properly waterproofed. Mortar used for natural stone assemblies can also produce large amounts of efflorescence and will benefit from the use of MGS™. This works, therefore, in conjunction with other Aquron products such as Aquron (CPSP) Concrete Pool Shell Protector to provide a more complete control of waterproofing methods and efflorescence control.

MGS™ is a colloidal liquid solution that is first placed into potable water before mixing with Portland cement and sand. Mixing at the ratio of 2.5 ounces of MGS™ for every gallon of water, means that one gallon of MGS™ will condition 51.2 gallons of water. MGS™ can be used with polymer modified mortar and grout mix.

### Some Attributes

- Increases workability & Lubricity
- Reduces permeability
- Improves strength and bonding
- Eliminates capillary action potential
- Reduces shrinkage cracking
- Reduces efflorescence
- Increases acid/chemical resistance

### PHYSICAL PROPERTIES

Physical .....	liquid
Color .....	water-clear
Odor .....	none
pH .....	12±
Flash point .....	none
Flammability .....	none
Toxicity .....	none
Pollutant .....	none
Hazardous vapors .....	none
Spill clean-up .....	dilute/flush using water
Environmental impact .....	none/neutral
User status .....	friendly
Abrasion resistance .....	excellent
VOC/VOS compliant .....	yes

### MIXING INSTRUCTIONS

AQRON® MGS™ Mortar & Grout Solution is added to concrete's mix water at the rate of 2.5 fluid ounces of MGS™ per gallon of potable water or 10 fluid ounces per 100# of cement. **MGS™ must be added to the water and thoroughly mixed prior to the addition of Portland cement and fine aggregate.**

### SHELF LIFE

Shelf life is indefinite provided containers are kept tightly sealed when not in use.

### PACKAGING

Aquron® MGS™ Mortar & Grout Solution is available in 5 gallon/ 189 liters; a 4 -pack (4 -1 gallon containers with measuring scoop); and in 55 gallon drums 208.2 liters, and bulk containers.

### TECHNICAL SERVICES

Technical information and assistance may be obtained from your local dealer, or by calling the technical department of the AQRON Aquatics Division at **770 355-6490**

E-mail [aquaticsdivision@aquron.com](mailto:aquaticsdivision@aquron.com)

AQRON Corporation at (972) 722-5444, (800) 342-4649 Office, or (972) 722-6412 FAX or toll free FAX (888) 412-1543

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#### **Warranties and Limitations of Liability**

Aquron Corporation ("Seller") warrants that if any goods supplied prove defective in workmanship or materials, that Seller shall replace them or refund their purchase price. Aquron Corporation offers a performance warranty for this Aquron® product. The warranty for the performance of this Aquron® product must be requested from the Aquron Corporation and initiated prior to applying this Aquron® product. Failure to initiate warranty of performance prior to application, holds harmless Aquron Corporation of any liability arising from its use, and user assumes all risk and liabilities whatsoever in connection therewith. The terms of this paragraph may not be orally modified. There are no warranties express or implied which extend beyond the face herewith.