

# AQUA ZAR®

## Spray Specification D-69

(Revised 1/98)

For best results, **Aqua ZAR** should be well stirred and sprayed at room temperature (70°F and 50% relative humidity). Conditions of high humidity and/or low temperature can cause poor results. It is recommended that a small test area be done before beginning the project.

The recommended equipment results from testing done by:

**GRACO Inc.**  
**P.O. Box 1441**  
**Minneapolis, Minnesota 55440-1441**  
**1-800-367-4023**  
**(612) 623-6000 Fax: (612) 623-6777**

Questions regarding the equipment used should be directed to GRACO, ask for test report number **SC8740**.

For AIRLESS spray, GRACO recommends a GRACO pump capable of 3000 PSI and supporting a 513 tip, siphon feed or immersed using a 208-663 gun and a 100 mesh filter.

**Good results were obtained with the following conditions:**

Pump	Hose Dia.	Lgth.	Gun Model No.	Tip	Air PSI to pump	Fluid Pump	Pressure Gun
King	45:1	1/4"	25'	208-663	RAC IV 513	60 PSI	2500

For AIRSPRAY, GRACO recommends a 800N gun with the 03 #106-849 fluid kit and 03 #106-803 Air Cap, fed with a GRACO low pressure pump or pressure pot.

**Good results were obtained with the following conditions:**

Pump	Hose Dia.	Lgth.	Gun Model No.	Tip	Air PSI to pump	Fluid Pump	Atomization Air Pressure
Pot	3/8"	25'	800N	03 Tip	0.055	20 PSI	70 PSI

# DRYLOK® Masonry Waterproofer Spray Specification D-30

(Revised 1/98)

DRYLOK Masonry Waterproofer can be spray applied to exterior and interior masonry structures, if certain precautions are followed. The key to obtaining satisfactory waterproofing is to be sure a continuous film of Waterproofer is applied. After applying two (2) coats of Waterproofer, there must be no pinholes or voids in the film. Under ideal weather conditions, spraying alone will accomplish this. On exterior applications where there are extremes of temperature, humidity and wind conditions, spraying alone may not yield a continuous film. If when applying a second coat of Waterproofer it is noted that pinholes are occurring, the second coat should be back-brushed or back-rolled to ensure a continuous film is obtained. In certain cases, where extremely porous or very irregular masonry is being coated, a third coat of Waterproofer may be necessary.

Also, on irregular surface block, such as split-face block, the surface area of the block is greater than that of smooth-face block because of the texturing. On these surfaces, the linear coverage will be lower than 75 square feet per gallon, in certain cases the linear coverage may be as low as 40-45 square feet per gallon. It is a good practice to test coat a small area of the masonry to be waterproofed to determine what painting techniques will be required. The material must be sprayed without diluting, and this means specialized equipment must be used. Several manufacturers have evaluated DRYLOK Masonry Waterproofer, and they have recommended various pieces of equipment that can be used to spray this product.

GRACO Inc. has recommended airless spray, using a D.B. Bulldog pump with a 10:1 pump ratio. The gun was a Reverse-O-Clean with a 0.055-inch tip. Atomization pressure was 500 PSI at the gun with a flow rate of 11/2 - 2 gallons per minute at a distance of 2 - 3 feet from the substrate. Care should be taken in evaluating the equipment to ensure the correct number of guns are used, and also each 25 feet of hose used reduces the pressure from pump to gun by about 100 to 125 PSI.

BINKS Manufacturing Co. has recommended conventional air with a 0.070-inch tip on an external mix nozzle. The atomizing pressure was 30 PSI at 9 CFM with a fluid pressure of 24 PSI and a flow rate of 20 oz./min.

For exact equipment recommendations, please contact the following manufacturers:

BINKS Manufacturing Co.  
9201 West Belmont Avenue  
Franklin Park, IL 60131  
(847) 671-3000  
GRACO Inc.  
PO Box 1441  
Minneapolis, Minnesota 55440-1441  
1-800-367-4023  
(612) 623-6000 FAX: (612) 623-6777  
Ask for Test No. SC8465

BINKS RECOMMENDS  
Conventional Equipment

Spray Gun No.: Such as #62, #18 and #2001 Hand Spray  
Extension No.: #81 Extension for use with above hand spray or #125 Pole Gun with 45 x 291 Nozzles.  
Fluid Nozzle No.: 66 Orifice: .070 Type: standard o.k.

**Air Nozzle No.: 63PB** **Type: External Mix** **Pattern**

**Size: 12" @ 8" away**

**See remarks for internal mix recommendation**

**Atomizing Pressure: 30 PSI** **CFM Required: 9.0 @ 30 PSI**

**Fluid Pressure: 24 PSI** **Delivery - Oz./Min.: 20**

**Pressure Drop Per Foot: .6 PSI 1/2" hose**

**Pressure Tank: Top outlet w/ agitator for pre-mixing only.**

**Pump: Comet 3L (4:1) or Comet 4L (8:1) w/ agitator and leather cup and packings in fluid section.**

**Solvent: Petroleum naphtha & mineral spirits** **Reduction Ratio: None**  
**(not rec.)**

**High Volume Low Pressure**  
**(HVLP) Air Atom. System**

**Spray Gun No.: HVLP Mach 1 Hand Spray**