



APPLICATION TIPS

General Application Instructions

Please refer to **Monoglass®** Applicator Manual for complete details. Call 1-888-777-2966 to request a copy of this 14-page informational booklet.

1.0 General

1.1 Liability

These instructions have been prepared to assist **Sonoglass®** installing contractors in their efforts to provide quality workmanship in the field application of **Sonoglass®** products.

Our published data reflects independent test results. However, due to variables in field conditions and equipment performance **Monoglass®** Incorporated does not guarantee any specific coverage. Liability, if any, is limited to replacement of defective material only.

2.0 Equipment

2.1 Recommended spray machine

The recommended application machine is the Polyspray C-500 manufactured by Unisul Inc. of Winter Haven, Florida. This equipment incorporates features required to achieve maximum yield and performance.

2.2 Other machines

A number of fiber machines designed for cellulose, fiberglass, mineral wool insulation & fireproofing products can be used to spray **Sonoglass®**. Machines commonly used include Krendl, Unisul, AccuOne, Boss, Heat Seal and FiberKing. Contact your machine manufacturer or **Monoglass® Inc.**

2.3 Required additional equipment

For all equipment types, you will require a **Monoglass®** spray head to ensure proper finish. You will also require 200 ft (60 meters) of 2 inch [50 mm] light plastic delivery hose, one 500 p.s.i. adhesive pump, 200' (60 meters) of tested burst 500 p.s.i. liquid line, 2 x 45 imperial gallon [55 US gallon] [200 litre] plastic drums, 110 and 220 power cords and water hose with nozzle.

2.4 Recommended jobsite equipment

Particulate dust masks and safety equipment as described in product M.S.D.S., set of tools, polyethylene sheeting, duct tape, lighting, brooms and clean up equipment.

3.0 Spraying

3.1 Site considerations

Assure adequate electrical power, clean water and sufficient lighting. Ambient and substrate temperatures shall not be below 1°C [34°F] during the spray application and during entire curing time. If required use non-vapour producing heat. Provide adequate ventilation as necessary to ensure proper drying. In enclosed areas a minimum of 3 air changes per hour are required during installation and until product is completely dry.

3.2 Substrate preparation

Substrates must be examined to determine they are free of loose paint, dirt, oil, grease or other deleterious material that would affect bond or cause staining. Cleaning of the substrate can usually be accomplished by pressure washing or sand blasting. If in doubt, apply diluted **Monoglass®** adhesive by brush on a small test area, let dry, and check bond strength.

Wood and painted surfaces require sealing – consult **Monoglass®** Applicator Manual for details.

3.3 Adhesive mixing

Adhesive to fibre ratio for **Sonoglass** is 1 x 5 gallon/18.9 litre pail adhesive concentrate for every 7 x 30 lbs/13.6 kg bags of **Sonoglass** fibre.

Mix adhesive with clean potable water following label instructions on the polymer adhesive containers. Allow adhesive pump to recirculate water-adhesive mix. Keep drums covered to prevent contaminates resulting in plugged spray head tips.

3.4 Spraying tips

On concrete only pre-wet an area with adhesive/water mix [approx. 100 square feet or 9.29 square

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meters]. Commence spraying fiber with adhesive/water mix in smooth, tight, even side to side passes to required thickness. On horizontal surfaces 3" [76 mm] maximum, vertical surfaces 3" [76 mm] maximum. On steel, glass, or other non-porous surfaces spray fiber adhesive/water mix directly to substrate. Maintain nozzle angle to substrate at approximately 30 degrees and 6 feet [1.8 meters] from substrate. Over-spray area completed with air, adhesive/water mix to reduce hang-downs and seal surface.

4.0 Surface Finish

4.1 Board or roll tamping

Sonoglass must be board or roll tamped to achieve the proper finish. Allow some curing of the **Sonoglass®** spray, lightly roll or board tamp to obtain flatter finish. Over-spray with adhesive/water mix to seal surface.

4.2 Return air plenums

For return air plenum applications finish as in 4.1.

5.0 Trouble-shooting tips

5.1 Fiber clog

If a fiber clog occurs turn machine off, remove hose from machine, check for a plug. Do the same at hose couplings and spray head.

5.2 Spray tip clog

Turn off liquid tap on nozzle, clean tips with smooth wire smaller than orifice, clean inline filter.

5.3 Waste

Waste on floor should be a light coat of fiber without adhesive. If more, check fan of spray tips and if faulty, replace.

6.0 Field training

If field training is required contact **Monoglass®** head office for details.