



**FIRE Retardants Inc.**<sup>TM</sup>

*The Decision You Make May Save A Life!*

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## FireDam<sup>TM</sup> Spray

### Spray Equipment Procedures

These procedures are intended to inform end users of the equipment requirements for properly dispensing 3M<sup>TM</sup> FireDam<sup>TM</sup> Spray and achieving the thickness and coverage necessary to comply with the tested systems for the product. The equipment mentioned is not an entire list of the pumps capable of delivering 3M FireDam Spray but a sample of those known to be capable of accomplishing the desired results.

#### General Equipment Parameters

Flow Output	Minimum .6 gallons per minute
Liquid Pressure	Minimum 2000 pounds per square inch
Tip Size Range	No. 219-231 (4" fan with .019-.031" orifice)
Motor Size	Greater than or equal to .75 horsepower

#### Recommended Equipment

Wagner	Graco	Titan
SprayTECH <sup>®</sup> EP2400	Ultra <sup>®</sup> Plus 600	Epic 660ex
SprayTECH <sup>®</sup> EP2510	Ultra <sup>®</sup> Plus 1000	Epic 690gx
SprayTECH <sup>®</sup> GP2905	Ultra <sup>®</sup> Plus 1500	Elite E20
	EM 590 <sup>TM</sup>	Elite G55

#### Equipment Start-up

If the spray equipment has been used previously and has wash of a previous product, then purge the machine, hoses, and gun prior to spraying — ***do this as follows:***

- Have a 5-gallon pail filled with five (5) gallons of clean water. You will need this for clean-up at end of application.
- Turn on pump in prime (recirculating) mode. The pump should have a large and small tube. The large tube is primary material pick-up tube, and small tube is the recirculating tube.
- With pump in prime mode, place large pick-up tube in pail of clean water, **leaving small recirculating tube out of pail.**
- As pump comes to prime, water will be pushed out of system-pump this water into another container. Continue to do this until you have complete flow of clean water solution.
- Drop recirculating tube into pail of clean water solution.
- Change pump from prime to spray mode. Hit the trigger of gun and hold open. You will first get wash. Continue to spray until you have clean water solution only.
- Next turn pump back to recirculating mode and drop large pick-up tube in pail of 3M FireDam Spray, **while holding small recirculating tube aside in another empty small pail or cup.**
- As pump comes to prime, you will pump clean water solution; then a combination of 3M FireDam Spray and clean water solution and finally just 3M FireDam Spray.
- **Change pump to spray mode** and hit spray trigger. As before, hold gun open until you have just 3M FireDam Spray coming out.
- You are now ready to spray.

## Equipment Clean-up and Shutdown

To clean-up the gun, hoses, and spray machine, you will need a couple of clean plastic 5-gallon pails, a tooth-brush or other similar brush.

- First, place pump in recirculating mode and remove both tubes from pail of 3M FireDam Spray. Using paper towel, wipe any excess spray off the outside of the pick-up and recirculating tube.
- Have a minimum five (5) gallons of clean water in a five (5) gallon pail. Place the clean water solution next to the pump and drop the large pick-up tube into the solution, while holding small recirculating tube away from clean water solution.
- As machine comes to prime, you will first get (out of small tube) 3M FireDam Spray, then a combination of 3M FireDam Spray and clean water solution, then finally just your cleaning solution of water.
- Now drop small tube in pail of the water solution and allow machine to recirculate for a couple of minutes.
- Now change pump from prime (recirculating) mode to spray mode and immediately hit trigger on spray gun.
- You should first get 3M FireDam Spray then a combination of 3M FireDam Spray and clean water solution and finally just clean water solution.
- Run the entire 5 gallons of water liquid through the machine.
- If the pump will not be used for a couple of days, an additional five (5) gallons of clean water solution needs to be circulated through the machine for ten (10) minutes.
- Use a toothbrush to clean-up the gun and spray tip.
- Follow pump manufacturer's recommendation for pump maintenance and storage.

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