

Application Recommendations for Hybrid Copolymer Spray

Application Equipment

Best results are achieved when spray equipment is spraying at a minimum of 2,500 PSI, the delivery is a minimum of 0.80 gallons per minute, and the spray orifice is between 0.023" and 0.026". A reversible spray tip is recommended. A minimum 3/8" diameter fluid line is required, but a 1/2" fluid line is recommended. Consult spray equipment manufacturer for long hose runs or lifts to higher elevations.

Safety

Fully read and understand the Owner's manual for the equipment that is being utilized and the products being applied. Fully abide by these instructions. Inspect the hoses, the cords, and the equipment for any damage before use. Ensure the equipment is plugged into a properly grounded outlet as recommended by the Owner's manual and electrical code.

Equipment Set-Up

Remove the filter from the suction tube sump filter. Install the appropriate filter and screen in the filter housing (or manifold). Remove the filter from the gun handle. Reassemble the filter housing, suction tube, and spray gun.

Priming The Pump and Cleaning The Lines

Use mineral spirits to prime the pump using the following steps. The pump should be grounded when pumping mineral spirits during both priming and clean-up. Fill the suction bucket with mineral spirits. Place priming tube into a separate bucket. Open the filter housing pathway to the priming tube. Ensure the spray gun is locked at the pump. Flip the switch to ON, then slowly turn the dial to nearly full (3/4 of the way). Direct gun and spray into the spare bucket. Once the spray rig is completely spraying only mineral spirits, shut off equipment. Re-apply safety on the spray gun. Turn the spray rig back to the prime position. Change the suction bucket from mineral spirits to the spray bucket of choice. Prior to spraying, always refer to the UL or Intertek System for precise application requirements including minimum spray thickness and required layering. Mineral wool forming material insulation is essential as specified by the individual firestop system design. Open the bucket. Quickly stir the product with a mixing stick.

Spray Tip Recommendations

Many Specified Technologies offerings require a 323-spray tip. Consult the respective Product Data Sheet for appropriate tip size recommendations outlined for the chosen offering. If a 323 tip is required, the first "3" in the "323" number sequence is multiplied by 2 to give the spray width. Therefore, a "323" spray tip will deliver a 6" fan pattern ($3 \times 2 = 6$). The final "23" in the "323" number sequence is the orifice size with 23 meaning a 0.023" tip. A 323-spray tip delivers a 0.023" tip opening with a 6" fan pattern.



Priming With Product

The process for priming with a product is similar to priming with mineral spirits. Place the suction hose into the product bucket. Place priming tube into a separate bucket. Open the filter housing pathway to the priming tube. Ensure the spray gun is locked at the pump, and the spray tip and guard are removed. Flip the switch to ON, then slowly turn the dial up to approximately $\frac{3}{4}$ of the way. Direct gun and spray into the spare bucket. Release safety on the gun. Once the spray rig is only spraying from the suction bucket, release the trigger. Lock the gun safety switch.

Application Instructions

Before spraying, refer to the specific firestop system being sprayed and confirm compliance. The Product Data Sheet will give the recommended coverage in wet thickness. The best application results are achieved when the spray gun is between 12 and 18 inches from the surface being sprayed. Spraying too close to the surface may cause overspray resulting in the slumping or dripping of the product offering. Spraying too far from the surface may result in insufficient or incomplete spray coverage.

Equipment Clean-Up

Cleaning the equipment after use is essential to keep the pump operating properly. Moisture curing products will begin to react and cure, so be sure to clean up quickly after use. Never leave the material in the pump for prolonged periods of time without flushing the lines with mineral spirits. The pump should be grounded when pumping mineral spirits during priming and clean-up.

Remove the suction tube from the bucket and wipe it off with a dry towel or dry rag. Place a suction tube into a bucket of mineral spirits. Fill the bucket with mineral spirits to ensure the pump does not run dry during the cleanout process. Open the filter housing pathway to the priming tube. Ensure the spray gun is locked at the pump, and the spray tip and guard are removed. Remove the spray head. Turn the spray valve to prime. Flip the switch to ON, then slowly turn the dial up to approximately $\frac{3}{4}$ of the way. Direct gun and spray into the spare bucket. Set the filter housing pathway to the spray setting. Once the spray rig is completely spraying only mineral spirits, shut off equipment. Reapply safety on the spray gun. Turn the spray rig back to the prime position.

Use a 1-1/4" bottle brush to clean both the outside of the suction tube as well as the inside of the suction tube. Remove the filter housing cap and clean the inside with the bottle brush ensuring there is no excess product or debris.

When the equipment is clean, cycle a pump protector lubricant through the pump and hoses, following the manufacturer's instructions.



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