

Spraying WeatherSeal Spray & Roll-On

Technical Bulletin

TB040

Category: WeatherTech, WRBS

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1. What to know about airless sprayers.

Airless sprayers come in many sizes and not all airless sprayers will work when spraying Parex USA coatings. Lower volume sprayers with a flow rate of 1 gallon per minute (GPM), are fine for spraying coatings such as Parex DPR Coating or Metallic. Higher volume sprayers have flow rates from 1.2 GPM to 2 GPM and are much better at spraying thicker weather resistive barriers such as WeatherSeal.

Tip size is also very important to properly spray Parex USA coatings. The thicker and heavier you need a product to be sprayed (such as WeatherSeal), the larger tip size and higher GPM flow rate required. Thinner applied products like Metallic coatings or Clear Sealers need a lower GPM flow rate and a smaller tip size. Matching the GPM to the tip size is critical to properly spraying Parex USA coatings.

2. Key points

a. Understanding tip sizes:

Tip sizes are gauged in mils or thousands of an inch. A 3 digit number on the tip tells you the width of the spray fan and the tip orifice size. 517 and 519 are most common with rental sprayers. If you have a 517 tip the first number, 5, is the width of the fan times 2, so your spray fan width would be 10 inches at 18 - 20 inches away from the wall. The next two numbers are the orifice size so 17 is 17/1000 of an inch. Larger tip sizes such as a 527 or 531 will need to be ordered and some manufactures are listed below.

b. Choosing the right sprayer:

The right sprayer for the job is crucial to the application. Most rental sprayers will have a flow rate on average of 1 GPM and tip sizes of 517 - 519.

This type of sprayer will work with most coatings and paints. The products to be sprayed should always be thinned with small amounts of water and then run through a fine mesh paint strainer to remove any small impurities the can clog the tip. Remove the in line filter located in the handle of the spray gun to improve the flow rate. When spraying Parex USA WeatherSeal a sprayer flow rate of 1.2 - 2.2 GPM is recommended with a tip size of 527-531. Follow the same procedure of removing the in line filter, adding water, and straining the material. Up to 1 gallon of water per 5 gallons of WeatherSeal Spray and Roll-On may be required depending on the sprayer, but not more.

c. Special attention to WeatherSeal application:

Most substrates like Dens Glass Gold or paper-faced gypsum sheathings can be sprayed once and not back rolled to achieve a wet thickness of 10 - 12 mils. Wood-based sheathings like OSB and plywood need to be sprayed twice. The first coat is allowed to dry and the second coat is back rolled with a 3/4 " to 1- 1/4" synthetic nap roller. When going over OSB sheathing, check the surface for any chips that may swell up when the WeatherSeal is drying. These chips will need to have WeatherSeal spot applied to insure the integrity of the weather barrier.

3. Sprayer information and equipment.

Graco, Inc.
88 11th Avenue NE
Minneapolis, MN 55413
www.paintsprayersbygraco.com
(612) 623-6000

Models: Tex Spray Mark 4 258729
Tex Spray Mark 5 258730

Titan
1770 Fernbrook Lane
Plymouth, MN 55447
titan@titantool.com
(800) 526-5362

Models: 6900 Plus Power Twin 0290021 Gas
6900 Plus Power Twin 0290021 Electric

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