



**PW-1™**  
Steel Primer

## Technical Data Sheet

686 S. Adams St. | Kansas City, KS 66105 | (913) 321-9000 | [www.versaflex.com](http://www.versaflex.com)

Selection and Specification Data		Surface Preparation																			
<p><b>Description</b></p> <p>VersaFlex PW-1 is a specially formulated, low solids, single component primer designed for steel and metal. Its low viscosity contributes to ease of application and adheres well for top coating with <i>VersaFlex</i> polyurea products.</p> <p><b>Uses- PW-1</b> primer may be used with all <i><b>VersaFlex</b></i> rapid curing polyurea sealants and spray coating systems. It is designed for use in both interior and exterior priming situations. <b>PW-1</b> is ideal for priming metal surfaces to help temporarily hold back flash rust.</p> <p><b>Chemical Composition-</b> Solvent based MDI isocyanate.</p> <p><b>Physical Properties</b></p> <table><tr><th>Description</th><th>Results</th></tr><tr><td>Color</td><td>Amber</td></tr><tr><td>Solids Content</td><td>25 %</td></tr><tr><td>VOC, g/l</td><td>832.5</td></tr><tr><td>Weight/Gallon, lbs</td><td>9.26</td></tr><tr><td>Specific Gravity @ 77°F (24°C)</td><td>1.11</td></tr><tr><td>Boiling Point</td><td>412°F (211.11°C)</td></tr><tr><td>Odor</td><td>Slightly Sweet</td></tr><tr><td>Dries to Touch @ 77°F (24°C)</td><td>1 hour</td></tr></table>		Description	Results	Color	Amber	Solids Content	25 %	VOC, g/l	832.5	Weight/Gallon, lbs	9.26	Specific Gravity @ 77°F (24°C)	1.11	Boiling Point	412°F (211.11°C)	Odor	Slightly Sweet	Dries to Touch @ 77°F (24°C)	1 hour	<p><b>Dew Point</b></p> <p>Substrate temperature must be 5°F above dew point and rising before application of coating materials.</p> <p><b>Surface contaminants</b></p> <p>Check for soluble salts on surfaces to be coated. Test with Chlor*Test. If amount of soluble salts exceeds recommended limits, treat with Chlor*Rid. Repeat process until acceptable limits are reached. Maximum amounts of soluble salts (micrograms per square centimeter): Chlorides - 3 immersion, 7 non-immersion Nitrates - 5 immersion, 10 non-immersion Sulfates - 10 immersion, 20 non-immersion.</p> <p><b>Surface Preparation</b></p> <p><b>Steel</b> - Visible deposits of oil, grease, or other contaminants shall be removed according to SSPC-SP 1. Prepare in accordance with SSPC-SP6/NACE No. 3 Commercial Blast Cleaning. Provide a sharp angular anchor profile of 3.0 or greater.</p> <p><b>Material Processing</b></p> <p><b>Mixing</b> - PW-1 is a single component product. Prior to use, shake container or stir for one to two minutes</p> <p><b>Application Temperature</b> - 35°F and higher. Cure times will be longer in colder temperatures.</p> <p><b>Process Temperature</b> - Ambient</p> <p><b>Process Equipment</b> - Graco Ultra 395 Airless Sprayer (or similar)</p> <p><b>Process Pressure</b> - 500 to 1,000 psi</p> <p><b>Hand Process</b> - 1/4” or 3/8” nap roller or bristle brush (small areas only)</p>	
Description	Results																				
Color	Amber																				
Solids Content	25 %																				
VOC, g/l	832.5																				
Weight/Gallon, lbs	9.26																				
Specific Gravity @ 77°F (24°C)	1.11																				
Boiling Point	412°F (211.11°C)																				
Odor	Slightly Sweet																				
Dries to Touch @ 77°F (24°C)	1 hour																				



**PW-1™**  
**Steel Primer**

## Technical Data Sheet

### Application

#### Application

- PW-1 should be applied in one coat, using a low-pressure sprayer, airless sprayer, roller or brush.
- Apply at 400 - 500 square feet per gallon.
- Maximum overcoat time: 24 hours, after which a light recoat is required (1 to 2 wet mils).
- Avoid ponding of material on horizontal surfaces. Excess materials should be wiped dry with a clean cotton rag.

#### Packaging

- **Fifty Five Gallon:** 55 gallon drum. Drum containers filled by weight, volume is closely approximated.
- **Five Gallon:** 5 gallon container
- **One Gallon:** 1 gallon pail

#### Shelf Life

One year from date of shipment, in original, unopened factory containers, under normal storage conditions of 55°F to 95°F (18°C -35°C).

### Safety

#### Precaution

This product contains Volatile Organic Compounds (VOC's) which may be released during and for some period after installation producing odors and affecting air quality. To avoid possible contamination of sensitive substances and for protection of human health, ensure proper air ventilation of work areas until odors completely dissipate.

**Safety:** Review SDS at [VersaFlex.com](http://VersaFlex.com)

#### Basic safety for personal protection is:

- Long sleeve overalls or disposable Tyvex overalls
- Rubber gloves
- Splash shield or safety glasses with splash guards
- Rubber or leather boots
- Respirator
- Do not use near high heat or open flame
- Do not take internally
- Keep out of reach of children

### Warranty

**Limited Warranty.** Company warrants its goods to be free of manufacturing defects. Goods manufactured by Company will comply with all applicable federal, state and local laws and regulations. Company makes no warranty as to any parts or equipment manufactured by others. Customer shall look solely and only to the manufacturer of such parts or equipment with respect to any warranty claims. Company hereby assigns to Customer the original manufacturer's warranties to all such equipment and parts, to the full extent permitted. THE AFORESAID IS THE EXCLUSIVE WARRANTY AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. SPECIFICALLY, THERE ARE NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.

**Limitation of Liability.** COMPANY'S LIABILITY FOR DEFECTIVE OR NON-CONFORMING GOODS SHALL BE LIMITED TO, AND SHALL IN NO EVENT EXCEED, THE AMOUNT PAID BY CUSTOMER FOR SUCH DEFECTIVE OR NON-CONFORMING GOODS. UNDER NO CIRCUMSTANCES SHALL COMPANY BE LIABLE FOR ANY SPECIAL, PUNITIVE, INCIDENTAL OR CONSEQUENTIAL DAMAGES OR FOR LOST PROFITS. In no event may any claim by Customer arising from or relating to any sale of any goods or services referenced herein be brought more than one year after the date of delivery of such Goods.