



## **PRO**shield max

### *Technical Product Data*

## PS 900 Series

### Pro-Shield Max Fully Reinforced Roof Coating System

#### **BASIC USES & DESCRIPTION:**

**PS 900 Pro-Shield Max** is a silicone coating for a fully reinforced roof coating system. This product was specifically designed to be used as the base and intermediate coat for fabric embedment. The "skin-over" time has been extended to allow for more time to work the fabric into the coating. In addition, this product was formulated for maximum adhesion for most roofing substrates. PS 900 is the perfect solution for any client who wants a roofing solution that is stronger than a pure coating, while reaping the benefits of the cost savings of silicone roof restorations.

This product is a single component, moisture cure product that is ready-to-use for quick application and is UV stable. Suitable roof substrates include TPO, PVC, EPDM, modified bitumen, smooth BUR, concrete, spray polyurethane foam and others. Substrate may require primer, please refer to the PM primer guide for more details. The material is white in color.

#### **PACKAGING SIZES:**

PS 900 is packaged in 5-gallon pails and 50-gallon drums.

#### **STORAGE AND SHELF LIFE:**

PS 900 has a recommended shelf life of 12 months from date of manufacture when stored in unopened containers and between 40°F and 80°F. Refer to product packaging.

#### **APPLICATION:**

After the surface has been properly prepared, mix the product briefly with a power mixer. Apply the base coat at a rate of 2.0 to 2.25 gallons per square (depending on surface texture). Immediately roll the PF 200 Polyester Fabric into the wet coating followed by another coat of the PS 900 over the fabric. This intermediate coat should be applied at a rate of 1.5 gallons per square. Back roll the intermediate coat to remove all wrinkles, air bubbles and fish mouths in the fabric.

Once the base and intermediate coat of the PS 900 has completely cured, apply the HS 3200 at the rate specified to obtain the appropriate warranty. Refer to the PM Guide Specification for further installation instructions.

#### **SPRAY EQUIPMENT**

Due to the high viscosity of the material, a high-pressure airless sprayer capable of producing a minimum of 3500 PSI at the spray gun head should be used. The pump should have a minimum of 3 gallons per minute output rate. Always use components rated for pump pressure. Hoses should be BUNA-N jacketed for prevention of moisture contamination. Hoses should have a minimum I.D. of 3/4" and an adequate working pressure. The spray gun should be high pressure (5000 PSI) with reverse-a-clean spray tip, having a minimum orifice of .030 and a 50° fan tip.

Revision Date: August 2020



### COMPOSITION & MATERIALS:

PS 900 Pro Shield Max is a dispersion of silicone rubber. This coating is a one-part, ready-to-use material that can be applied easily to a dry, frost-free surface, and cures at normal temperatures and humidity levels in 1 to 4 hours by reacting with moisture in the air. For applications with lower than normal temperatures and humidity levels, expect the cure time to be longer.

### MAINTENANCE:

The life of the roof may be extended by regularly scheduled maintenance. A roof should typically be inspected at least twice a year. The roof immediately needs to be inspected following severe weather and extraordinary maintenance on roof-mounted equipment.

### CLEAN UP:

Uncured silicone coating can be cleaned or equipment can be flushed with VM&P Naphtha or Mineral Spirits.

### LIMITED WARRANTY INFORMATION - PLEASE READ CAREFULLY

Various warranties may be purchased from Progressive Materials, LLC. Available warranties include Full System Limited Warranties that range from 5 to 20 years. For warranty details, please contact your Progressive Materials Roofing Specialist.

### TYPICAL PROPERTIES

As Supplied:	
Appearance	Off-White
Solids Content	82% ( $\pm 2$ ) by weight
Weight per Gallon	11.2 lbs
Clean up	Mineral Spirits
VOC	<250 g/L
Viscosity	15,000 cps
Skin Over Time	12 minutes at 20 mils (78°F & 54% RH)
Cure Time	1-4 hours

Contact Progressive Materials for more detailed specifications on our roofing systems and to find a certified contractor near you.

The information reported herein are based upon information reasonably available to Progressive Materials, LLC at the time of publication, and are presented in good faith but are not to be construed as warranties or guarantees, expressed or implied.

Revision Date: August 2020