



5100 SYSTEM ACRYLIC DRY FALL COATING

DESCRIPTION AND USES

A low-VOC, water-based, acrylic dry fall coating designed for mild industrial conditions.

The Acrylic Dry Fall Coating is a high hiding interior flat finish for use when overspray must dry before it reaches nearby surfaces or the floor. The overspray dries to a removable dust within 10 feet of the application when applied at 77°F (25°C) and 50% relative humidity.

Acrylic Dry Fall Coating will adhere to glossy surfaces and properly prepared galvanized steel surfaces. It is suitable for use on ceilings, walls, roof trusses and HVAC ductwork and pipes.

The 5100 System complies with USDA FSIS regulatory sanitation performance standards for food establishment facilities. This coating is impervious to moisture and easily cleaned and sanitized.

MPI #116 Certified*

PRODUCTS

5-Gallon	Description
251280	White

PRODUCT APPLICATION

SURFACE PREPARATION

ALL SURFACES: Remove all dirt, grease, oil, salt and chemical contaminants by washing the surface with Pure Strength® Cleaner/Degreaser item #3599402, commercial detergent or other suitable cleaner. Mold and mildew must be cleaned with a chlorinated cleaner or bleach solution. Rinse thoroughly with fresh water and allow to fully dry. All surfaces must be dry at time of application.

STEEL: Hand tool (SSPC-SP-2) or power tool (SSPC-SP-3) clean to remove all loose rust, mill scale, and deteriorated previous coatings.

PRODUCT APPLICATION (cont.)

APPLICATION

Mix thoroughly. Apply only when air and surface temperatures are between 50-90°F (10-32°C), the relative humidity is not greater than 85%, and surface is at least 5°F (3°C) above dew point. While this dry fall coating is intended for application by spray, it can also be applied by brush or roller. Dry times may be effected by extremely high or low relative humidity.

TINTING

This product may be tinted up to 2 oz. per gallon with a universal colorant.

EQUIPMENT RECOMMENDATIONS

BRUSH: Use a good quality synthetic brush.

ROLLER: Use a good quality synthetic cover, 1/4-3/8" nap.

AIR-ATOMIZED SPRAY:

Method	Fluid Tip	Fluid Delivery	Atomizing Pressure
Pressure	0.055-0.070	10-16 oz./min.	50-60 psi
Siphon	0.055-0.070	—	50-60 psi

AIRLESS SPRAY:

Fluid Pressure	Fluid Tip	Filter Mesh
2,500-3,000 psi	0.015-0.017	100

THINNING

BRUSH: Normally not required. When necessary, thin with fresh water. (Touch-up only)

AIR ATOMIZED SPRAY: Water up to 10 fl. oz. per gallon.

AIRLESS SPRAY: Water up to 10 fl. oz. per gallon.

CLEAN UP

Use soap and water immediately after use.

* Refer to the MPI website for the most current listing of MPI certified products.


5100 SYSTEM ACRYLIC DRY FALL COATING
PHYSICAL PROPERTIES

		ACRYLIC DRY FALL COATING
Resin Type		Acrylic
Pigment Type		Titanium Dioxide
Solvents		Water, Propylene Glycol
Weight	Per Gallon	11.6 lbs.
	Per Liter	1.2 kg
Solids	By Weight	56.0%
	By Volume	38.0%
Volatile Organic Compounds		<100 g/l (0.83 lbs./gal.)
Recommended Dry Film Thickness (DFT) Per Coat		2.0-2.5 mils (50.0-62.5μ)
Wet Film to Achieve DFT (unthinned material)		5.5-6.5 mils (137.5-162.5μ)
Theoretical Coverage at 1 mil DFT (25μ)		610 sq.ft./gal. (15.0 m ² /l)
Practical Coverage at Recommended DFT (assumes 15% material loss)		210-260 sq.ft./gal. (5.2-6.4 m ² /l)
Dry Times at 70-80°F (21-27°C) and 50% Relative Humidity	Touch	35 minutes
	Recoat	1.0 hours
Dry Fall*		10 feet
Dry Heat Resistance		200°F (93°C)
Shelf Life		5 years
Safety Information		For additional information, see SDS

Calculated values are shown and may vary slightly from the actual manufactured material.

*Dry fall characteristics will be adversely affected at temperatures below 77°F or above 50% relative humidity. Overspray landing on hot surfaces may adhere to these surfaces. Immediately remove overspray from hot surfaces before adhesion occurs.

The technical data and suggestions for use contained herein are correct to the best of our knowledge, and offered in good faith. The statements of this literature do not constitute a warranty, express, or implied, as to the performance of these products. As conditions and use of our materials are beyond our control, we can guarantee these products only to conform to our standards of quality, and our liability, if any, will be limited to replacement of defective materials. All technical information is subject to change without notice.