

# Whiteboard Paint

## Dry Erase Coating

### TECHNICAL DATA SHEET

Made With IsoFree™ Technology + Odor Free



Rainguard® Whiteboard Paint

**PATENT #'S: 5693703 // 5665269 // 5508340**

Product	U/M	Code
Clear	1 Gallon Kit	SP-0101
Clear	5 Gallon Kit	SP-0105
White	1 Gallon Kit	SP-0201
White	5 Gallon Kit	SP-0205
Black	COMING	SOON
Black	COMING	SOON

### Coverage Rates (Theoretical)

Substrates	Sq Ft / Gallon
Textured Surfaces	Approx. 125-150
All Masonry Surfaces	Approx. 150-200
Painted Surfaces	Approx. 200-250
Wood Surfaces	Approx. 150-200
Metal	Approx. 250-300

### Description

RainguardPro® Whiteboard Paint is a two-component, high performance, eco-friendly, zero-VOC, odorless, water-based, aliphatic polyurethane paint/coating. Whiteboard Paint is a dry erase coating that provides excellent adhesion and a durable surface to write on. Write on it with dry erase markers 72 hours after application.

Part A consists of: Polyester Polyol, Water, Polyacrylate

Part B consists of: Solvent Free Aliphatic Polyisocyanate with IsoFree™ Technology

#### What is IsoFree™ Technology?

When Part B is mixed with Part A the crosslink reaction makes the combined product free of any isocyanates. Thereby the product is safe to apply for both the applicator and the environment.

Pour the contents of Part B into Part A. After mixing the components well for approximately two (2) minutes, it may be reduced with water up to twenty percent (20%).

This product may be sprayed, brushed, or roller applied. Whiteboard Paint is unique in that it has no VOC's due to its total water-based formulation. When fully cured, this product has good chemical acid resistance, UV protection, excellent water resistance, abrasion resistance, flexibility, and is totally environmentally safe.

### Recommended Surfaces

- Chalkboard
- Architectural Grade Latex Paint
- Whiteboard
- Dry Erase Wall Covering
- Plastic
- Unpainted Wood\*
- Glass
- Laminate
- Aluminum & Metal
- Galvanized & Ungalvanized Steel
- Existing Whiteboard Paint

*\*All porous surfaces should be primed with a non-film forming water repellent such as Micro-Seal®*

### Highlights

- Scratch Resistant
- Chemical and Petrochemical
- Non-yellowing & UV resistant
- Apply Direct-to-metal\* and concrete
- Easily wipe writing off when using any dry erase marker
- Write on after 72 hours

*\*Do not use on bare ferrous metal. Only apply to ferrous metal that is properly prepped and primed to receive a water based coating.*

### Test Panel

Always apply material to a mock wall or test panel. Test wall or actual surface area to determine acceptable color, surface porosity, application rates and methods before starting general application.



## Personal Protection

RainguardPro® Whiteboard Paint is a zero-VOC coating. The volatile to evaporate will be water. No special clothing or respirators are required. Due to its total water-based formulation, the hazard of flammability is removed.

## Required Mixing

1. Stir Part A for 2 minutes with jiffy blade at slow speed (500 RPM) to fully disperse the product.
2. To catalyze product pour Part B into Part A and mix for 2 – 3 minutes.
3. Pour a portion of Part A back into Part B can until full, mix well for 30 seconds, pour back into Part A. Mix for another 2-3 minutes. Allow product to stand for 5 minutes before applying. Loosely cover mixed product. **Do not re-seal mixed product!**
4. Product may be reduced with clean water to achieve desire viscosity. We recommend using distilled water.
5. Typical spray applications require a 5% to 10% reduction. Do not exceed 25%.
6. Do not reduce catalyzed product after 30 minutes.
7. **IMPORTANT:** Mark time to establish pot life. Pot life is 3-4 hours at 75°F.
8. Product should not be mixed with other products or other containers of RainguardPro® Whiteboard Paint

## Application

### DARK COLOR SURFACES

Applying lighter colors over existing dark colors may require additional coats to “hide” the previous color and provide a uniform finish.

### SMOOTH SURFACES

RainguardPro® Whiteboard Paint may be applied directly over most surfaces without primer. Apply a light coat at a thickness of 3 to 4 wet mils. Do not exceed 5 mils. Reduction may create optimal flow. Dry mils thickness is 1.5-2\*.

### POROUS SURFACES

Most porous surfaces should have a sealer or filler to adequately eliminate potential pinholes prior to applying RainguardPro® Whiteboard Paint.

1. Apply one coat of RainguardPro® Whiteboard Paint (3 – 4 mils wet per coat) allowing 4 hours between coats or when coating is tack free.
2. Any runs should be brushed or rolled out immediately before drying.
3. When dry, thickness is 1.5-2 mils

**IMPORTANT:** Proper methods to protect from over spraying should be implemented. Atomized particles will adhere to most surfaces and are extremely difficult to remove.

Temperature and humidity directly affect pot life and dry time. Conditions should be between 40 – 95 °F (5 – 35 °C) and humidity should not exceed 80%.

## Re-Application

Apply a second coat within 24-hours for proper adhesion. If the first coat has dried longer than 24-hours, abrade the surface to promote adhesion for the second coat.

## Clean Up & Disposal

Clean up promptly with mild soap and water before product cures. Dispose of according to local, state and federal regulations.

## Warranty

RainguardPro® Whiteboard Paint will not yellow, crack, or peel over time.

## Limitations

- RainguardPro® Whiteboard Paint should be tested on all substrates before complete application
- RainguardPro® Whiteboard Paint should not be applied in humidity above 80% or rain
- Horizontal surfaces coated with RainguardPro® Whiteboard Paint become slippery when wet
- RainguardPro® Whiteboard Paint should not be applied in high wind, rain, or when the ambient temperature is below 5 °C (40 °F)
- Certain porous surfaces may require a sealer or block filler to allow the RainguardPro® Whiteboard Paint to create a more desirable application and maintain the integrity of the surface. Test patch should be applied before the final application

**NOTE: MORE IS NOT BETTER!** A heavier application can cause micro blistering and affect the finish.

## Delivery & Handling

**DELIVERY:** Materials shall be delivered in the original sealed containers, clearly marked with manufacturers name and type of material.

**STORAGE AND HANDLING:** The recommended storage temperature is approximately 22 °C (72 °F). Do not damage containers. Store in a dry place. Do not store for extended periods in direct sunlight. Protect containers from resin and moisture contamination.

SEE PAGE 3 FOR TEST DATA -->



## Technical Data

Solid by Weight (%)	Clear/Matte 60 ( $\pm 2\%$ )/58%	Pigmented 66 ( $\pm 2\%$ )/64%
Solid by Volume (%)	50%	
Dry Time	4 – 8 hours	
Cure Time	3 – 7 days	
Pounds Per Gallon	Part A	9.2 lbs/gallon
	Part B Clear/Matte	8.7 lbs/gallon
	Part B Pigmented	10.8 lbs/gallon

## Test Data

TEST	RESULTS	TEST METHOD
Flash Point	>118°C (245 °F)	Tag closed cup
pH	Part A - N/A Part B - 9.2	--
Specific Gravity	1.05	--
Gloss	> 90 @ 16 °C (60°F)	Gloss meter
Gloss Loss	< 10%	ASTM D523
Color Loss	< 1.1%	ASTM D2244
Salt Spray	1500+ hours	ASTM B117
Humidity	1500+ hours	ASTM D2244
Abrasion	< 40mg	ASTM D4060
Hardness	> 2H	ASTM D3363
Adhesion	Pass	ASTM D2197
Flexibility	Pass	ASTM D2794
Surface Burning	Flame spread 0 Smoke development 0	ASTM E84
Odor	None	--
VOC (g/L, less water)	0	--
MEK Double Rub @ 50% solids	Passed 2,000 cycles	--

## Chemical Resistance

RainguardPro® Whiteboard Paint provides excellent resistance to a wide range of chemicals and acids, including:

Ammonium Hydroxide	Hyjet #3	Toluene & Xylene
Potassium Hydroxide	Skydrol 500 A & B	Jet Fuel - Butyl Cellusolve
Sodium Hydroxide	Hydrochloric Acid 10%	Acetone - Cellusolve Acetate
Sodium Chloride	Phosphoric Acid 35%	Methyl Ethyl Ketone
Trisodium Phosphate	Sulfuric Acid 20%	Beer - Cola - Milk
Ethyl Alcohol	Acetic Acid 24%	Mustard - Bleach
Isopropyl Alcohol	Trichlorethylene	-
Methyl Alcohol	Perchlorethylene	-

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