



product  
information

**800-WR SERIES**  
WATERBORNE BOOTH  
STRIPPABLE COATING

**Cardinal's 800-WR Series** is a waterborne a strippable coating designed to coat spray booths or other equipment. It is designed for easy application and clean-up using only water.

**Typical Uses:**

- Strippable coating for heavy equipment
- Spray booths

**Benefits:**

- Low VOC content
- Low fire hazard
- Water clean up
- Ready to spray
- RoHS / WEEE Compliant

**Type:** Acrylic Emulsion

**Components:** One

**Colors:** Black, White, Clear.

**Coverage:** At 1 mil DFT  
590 ft<sup>2</sup>/gal at 100% transfer efficiency (TE)  
385 ft<sup>2</sup>/gal at 65% transfer efficiency  
Calculation: 1604 ft<sup>2</sup>/gal x % volume solids x TE + DFT

**VOC:** (as supplied)  
118 grams/liter (0.98 lbs/gal) less water.  
50 grams/liter (0.42 lbs/gal) including water.

**Volume Solids:** 31% - 36%

**Flash Point:** >212° F TCC

**SHELF LIFE:** 6 months from date of manufacture in factory sealed container.

**Application:** See surface preparation and priming section. This material is designed for spray application. Brushing or rolling are not recommended.

**Thinning:** Ready for spray. Mix well. If thinning is necessary, use water, 1% - 5% by volume. Avoid over thinning.

**Viscosity:** 30 - 35 seconds, #3 Zahn cup at 78° F.  
Note: Do not reduce viscosity below 25" Zahn #3.0

**Recommended DFT:** 3.0 – 5.0 mils

**Dry Time:**

Tack Free 15 minutes

Dry to Handle or Recoat 1 hour

Dry for use 24 hours

(At 1.5 mils dry film thickness, 78° F, 50% RH)

**Application Equipment:** Electrostatic or high volume low pressure (HVLP) spray guns.  
**CAUTION:** Electrostatic equipment requires proper isolation for waterborne use. Fluid and air hoses should be a minimum of 3/8" for fluid and 5/16" for air.

**EQUIPMENT CLEAN-UP:** Warm water. Water should always be used for primary cleaning. If something stronger is needed exempt solvents can be used for secondary cleaning, air quality regulations, in your area may have limited the allowable emissions from cleaning operations.

**Surface Preparation and Priming:** The most important steps in a successful coating process are cleaning, pretreatment and priming. The following is a brief outline of some basics for unpainted substrates. It is not intended to be all-inclusive. The proper preparation of various substrates will require specific attention.

**Cleaning the substrate:** All surfaces to be coated must be free of dirt, grease, oil, oxidation, mill scale, and all other contaminants. The surface must be thoroughly dry before painting.

For more information on your application, contact Cardinal.

**Trouble Shooting:**

PROBLEM	CAUSE	REMEDY
Too thin / low viscosity	Over reduced. pH too low (evaporation from open container).	Contact Cardinal representative
Dry spray	High atmospheric temperature. Over atomization Gun to part distance	Add SB-30 or SB-11 at rate of 1 oz./gal. Decrease air pressure. Decrease gun to part distance
Mudcracking	Over reduced Film build too high.	SB-09 at 1 oz./gal may help. Lower film build.
Craters	Contamination of substrate, application equipment or environment.	Find and eliminate source of contamination.
Poor adhesion	Improper surface preparation. Film too thin to coalesce properly.	See surface preparation section. Increase film build.

FOR INDUSTRIAL USE ONLY  
NOT FOR RESIDENTIAL USE

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**Product Limitations:**

- AVOID FREEZING — Product contains water.
- Optimum film properties depend on force cure.
- See Cure section

**Safety:** Contains organic solvents. Use with adequate ventilation - do not breath vapors or spray mists. If component TLVs are exceeded, a NIOSH approved air supplied respirator is advised. See MSDS for TLV information. Keep from heat, sparks or open flame. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling.

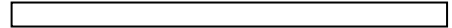
**First Aid:**

*Eye contact*, flush immediately with plenty of water for at least 15 minutes, seek medical attention.

*Skin contact*, wash thoroughly with soap and water for 5 minutes.

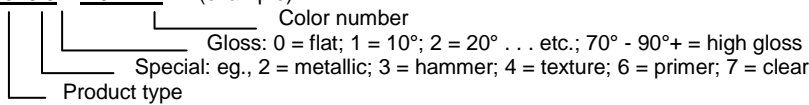
*If swallowed*, do not induce vomiting, seek medical attention immediately.

*Inhalation*, remove to fresh air.



**Product Identification**

**8 0 0 - 1 0 W R** (example)



G12TL

**IMPORTANT: Warranty and Disclaimer** — The performance characteristics of these products vary according to product application, operating conditions, materials applied to or with and use. Since these factors can affect results, we strongly recommend that you make your own test to determine to your satisfaction whether the product is of acceptable quality, has not been affected by storage or transport and is suitable for your particular purpose under your own operation conditions prior to using any product in full scale production. Seller warrants the products to be free from defects in materials and workmanship. SUCH WARRANTY IS EXCLUSIVE AND IS IN LIEU OF ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OF FITNESS FOR A PARTICULAR PURPOSE. No representative of ours has authority to waive or change this provision, which applies to all sales of these products.