



RCS™ 30
TECHNICAL DATA SHEET

Direct to Metal Primer

Product Description

RCS 30 Direct To Metal Acrylic Primer is a 100% acrylic emulsion, waterborne, corrosion resistant Direct to Metal Primer for both construction and industrial maintenance applications. It can be used directly over metal substrates to dramatically improve adhesion of Huntsman Building Solutions Coating's RCS Restoration Coating System™ 100% Acrylic Elastomeric Roof Coatings when substrates are less than optimal.

RCS 30 is formulated for use over prepared steel, aluminum or galvanized metal to promote adhesion for the RCS Restoration Coating Systems™.

Performance Characteristics

- Promotes adhesion of RCS Restoration Coating System™ to steel, aluminum, concrete, galvanizing and masonry
- Chemical resistant
- Early rust resistant
- Outstanding exterior durability
- Early moisture resistant

Physical Properties	
Standard Colors:	RCS 31 – WHITE RCS 32 – GRAY RCS 33 – RED
Volume Solids:	37% +/- 2%
Weight Solids:	50% +/- 2%
VOC:	<150 G/L; 1.25 LB/GAL
Flash Point:	When properly stored >200°F, PMCC

Recommended Conditions	
Temperature:	50°F minimum, 120°F maximum (air, surface and material) At least 5°F above dew point
Relative Humidity:	85% maximum
Surface Preparation:	Surface must be dry and in sound condition. Remove oil, dust, dirt, loose rust, peeling paint and other contaminants to ensure adequate adhesion.

Application Equipment

RCS 30 Direct To Metal Acrylic Primer is extremely sensitive to hydrocarbon containing solvents. When cleaning the surface, use only an emulsifying industrial detergent, followed by a water rinse.

Stripe coat all crevices, welds, and sharp edges to protect against early failure in these areas. For best results on rusty surfaces, always apply first coat by brush. When using spray application, use a 50% overlap with each pass of the gun to avoid bare areas and pinholes. If necessary, cross spray at a right angle. During the early stages of drying, the coating is sensitive to rain, dew, high humidity and moisture condensation. Never apply if inclement weather is imminent.

Spreading rates are calculated on volume solids and do not include an application loss factor due to surface profile, roughness or porosity of the surface, skill and technique of the applicator, method of application, various surface irregularities, material lost during mixing, spillage, climatic conditions and excessive film build.

Contact Huntsman Building Solutions Technical Service personnel for specific recommendations, pricing and availability of spray and auxiliary equipment.

Recommended Product Application

Steel, Aluminum And Galvanized:

1 coat RCS 30 DTM Acrylic Primer @ 2.5 – 5.0 mils dft Approximately ¼ - ½ gal./sq (100 sf)

Recommended Spreading Rate Per Coat:	
Wet Mils	5.0 – 10.0
Dry Mils	2.5 – 5.0
Coverage:	150 – 250 Sqft/Gal Approx.
Note: brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.	

Drying Schedule @ 6.0 Mils Wet @ 50% Rh:

	@55°F	@70°F	@120°F
To Touch	1 Hour	40 Minutes	20 Minutes
Tack Free	6 Hours	4 Hours	2 Hours
To Recoat	8 Hours	4 Hours	2 Hours
To Cure	45 Days	30 Days	14 Days

Storage:

Store in a well-ventilated, dry area. Keep container closed when not in use. Keep out of reach from children.

Personal Protection:

Use safety glasses and chemically resistant gloves when handling materials.

Rinse Water Disposal:

This material, when fully diluted, may safely be diverted to the soil surface. Landscaping foliage should be rinsed clean of all residues to reduce risk to plant life. Keep rinse water out of open bodies of water, including ditches, streams, ponds and municipal storm sewers as it is potentially toxic to fish and aquatic life.

First Aid:

INHALATION OF VAPOR OR MIST CAN CAUSE HEADACHE, NAUSEA AND IRRITATION OF THE NOSE, THROAT AND LUNGS. MAY CAUSE EYE AND SKIN IRRITATION.

Inhalation: Move person to fresh air. If breathing is difficult, give oxygen. Consult a physician.

Eye Contact: IMMEDIATELY flush eyes with plenty of water for 15 minutes. Get prompt medical attention.

Skin Contact: Remove contaminated clothing. Wash affected skin areas thoroughly with soap and water. Consult a physician if irritation persists.

Ingestion: DO NOT INDUCE VOMITING. Get medical attention immediately.

SHELF LIFE: One year from manufactured date when stored properly.

Packaging

U.S. MEASURES: 5-gal. pails, 55-gal. drums & 275-gal. totes.

WEIGHT PER U.S. GALLON: 11.65 lbs.

General Health & Safety Precautions

This product is intended for use by trained professional personnel. Safety Data Sheets are available and any individual who may come in contact with these products, should read and understand the S.D.S. In case of emergency contact CARECHEM EMERGENCY NUMBER at (866) 928-0789.

WARNING: Avoid eye contact with the liquid or spray mist. Applicators should wear protective clothing, gloves and use protective equipment on face, hands and other exposed areas.

EYE PROTECTION: Safety glasses, goggles, or a face shield are recommended.

SKIN PROTECTION: Chemical resistant gloves are recommended. Cover as much of the exposed skin area as possible with appropriate clothing.

RESPIRATORY PROTECTION is MANDATORY! Respiratory protective equipment, impervious foot wear and protective clothing are required at all times during spray application. Contact Huntsman Building Solutions for a copy of the Respiratory Protection Program developed by OSHA.

INGESTION: Do not take internally. Consider the application and environmental concentrations in deciding if additional protective measures are necessary.

DISCLAIMERS

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