



# RCS 4000

Restoration Coating System Primer

Rev. Date 01/01/09

## Product Design

RCS-4000 Restoration Coating System™ primer is a fluid applied. The primer exhibits remarkable adhesion when applied to asphaltic substrates and most other conventional roofing systems.

## Product Use

Use RCS-4000 as a primer over new and existing conventional membranes including modified bitumen, BUR and others to assure adhesion. When used as a Primer, RCS-4000 will increase the system's overall mechanical bond to the substrate and provide superior resistance to ponded water.

## Product Application

RCS 4000 may be applied by medium nap rollers, brushes, or by conventional or airless spray equipment. CONTACT LAPOLLA INDUSTRIES TECHNICAL SERVICE PERSONNEL FOR SPECIFIC RECOMMENDATIONS, PRICING AND AVAILABILITY OF SPRAY AND AUXILIARY EQUIPMENT.

Although coverage can vary significantly with each application, general recommendations are 1.5 gallons per 100 square feet applied in 2 coats allowing each coat to cure prior to subsequent coat. Product cleans up easily with water. For further application details, please contact Customer Service to obtain a Roof Application Guide.

## Processing Parameters

RCS 4000 is a water-based primer which will freeze and become unusable at temperatures below 32°F. PROTECT FROM FREEZING DURING SHIPMENT AND STORAGE. Do not store material at temperatures below 50°F. Do not apply RCS 4000 when ambient air and substrate temperatures fall below 50°F or when there is a possibility of temperature dropping below 32°F within a 24-hour period after application.

## Physical Properties

Properties	Test Method/ Requirements	Value
Standard Colors:		STANDARD COLORS: RCS 4001 – WHITE
Tensile Strength:	ASTM D2370	100psi (±25)
Elongation:	ASTM D2370	980% (±25)
Adhesion:	ASTM C794-D 903	0.6 A- Modified Bitumen

Permeability:	ASTM D1653A	3 U.S. Perms @ 20 mils
Tear Resistance:	ASTM D624	85 lbs/in. (±2)
Solids by Weight:	ASTM D1644	64% (±3)
Solids by Volume:	ASTM D 2697	50% (±3)
Weight per Gallon:		11.40 (± .2)
Theoretical Coverage:	13-14 dry mills	1.5 gallons
Viscosity (cps):	ASTM D 562	115 K.U. (±8)
Dry to Touch:		90 minutes
Tack Free:		4 hours
Recoat Window:		12 hours
Shelf Life:	When properly stored	6 months

## Limitations and Precautions

Do not apply over wet substrates or when inclement weather is imminent. Total cure of RCS 4000 requires complete evaporation of water. Cool temperatures and high humidity retard cure. Furthermore, all white or light colored coatings can cause a premature artificial dew zone during the curing process under certain climatic conditions. This is generated as the water in the primer evaporates, cooling the white surface and attracting moisture in the form of dew. Therefore, do not apply if climatic conditions prevent complete cure before rain, dew, or freezing temperatures.

RCS 4000 is not a vapor barrier coating and not recommended for use over most cold storage installations. Where a vapor barrier is required, contact Lapolla Technical Service Personnel for proper selection and installation procedures.

## General Safety, Toxicity, Health Data

Material Safety Data Sheets are available on this coating material. Any individual who may come in contact with these products should read and understand the M.S.D.S. In case of emergency contact CHEMTREC EMERGENCY NUMBER at 800-424-9300.





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**WARNING:** Contact with skin or inhalation of vapors may cause an allergic reaction. Avoid eye contact with the liquid or spray mist. Hypersensitive persons should wear protective clothes, gloves and use protective cream on face, hands and other exposed areas.

**CLEAN UP:** Water

**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 Lapolla for a copy of the Model Respiratory Protection Program developed by API.

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

## Disclaimer

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