

**RUST-OLEUM®**

## 4200 SYSTEM HIGH HEAT COATINGS

### DESCRIPTION AND USES

Modified silicone aluminum and colored finishes for surfaces exposed to temperatures of 300-800°F (149-427°C). Use on properly primed steel surfaces in interior and sheltered exterior exposures.

### PRODUCTS

1-Gallon	5-Gallon	Description
4233402	—	Green
4279402	—	Black
4286402	—	Gray
4215303	—	Aluminum

### COMPANION PRODUCTS

#### RECOMMENDED PRIMERS

1-Gallon	5-Gallon	Description
4268402	—	Red Primer

### 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 areas must be cleaned with a chlorinated cleaner or bleach solution. Rinse thoroughly with freshwater and allow to fully dry. All surfaces must be dry at time of application.

**STEEL:** Apply to a properly primed or previously painted surface.

**UNCOATED STEEL:** Abrasive blast clean to a minimum SSPC-SP-6 Commercial Grade (NACE 3) and achieve a 1-2 mil surface profile. Abrasive blast cleaned surfaces require two coats of 4268 Red Primer.

If abrasive blast cleaning is not possible, then remove all rust, scale, and deteriorated previous coatings in accordance to either SSPC-SP-2 Hand Tool Cleaning or SSPC-SP-3 Power Tool Cleaning. Steel surfaces must be clean and dry prior to coating application.

**PREVIOUSLY COATED:** Previously coated surfaces must be sound and in good condition. Smooth, hard, or glossy finishes should be scarified by sanding to create a surface profile. Rust-Oleum® High Heat Coatings are compatible with most coatings, but a test patch is suggested. **WARNING!** If you scrape, sand or remove old paint from any surface, you may release lead paint dust. **LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE.** Wear a NIOSH-approved respirator to control lead exposure. Carefully clean up with a wet mop or HEPA vacuum. Before you start, find out how to protect yourself and your family by contacting the U.S.EPA/Lead Information Hotline at 1-800-424-LEAD or log on to [www.epa.gov/lead](http://www.epa.gov/lead).



## TECHNICAL DATA

# 4200 SYSTEM HIGH HEAT COATINGS

### PRODUCT APPLICATION (cont.)

#### APPLICATION

Apply only when air and surface temperatures are between 32-125°F (0-52°C) and surface temperature is at least 5°F above dew point. Apply two coats of 4268 Red Primer to abrasive blast cleaned steel.

#### EQUIPMENT RECOMMENDATIONS

BRUSH: Use good quality natural or synthetic bristle.

ROLLER: Use good quality natural or synthetic cover.

AIR-ATOMIZED SPRAY:

Method	Fluid Tip	Fluid Delivery	Atom. Pressure
Pressure	0.055-.070	16 oz./min.	40-60 psi
Siphon	0.055-.070	—	40-60 psi
HVLP	0.043-.070	8-14 oz./min.	10 psi at the tip

AIRLESS SPRAY:

Fluid Pressure	Fluid Tip	Filter Mesh
2,100-2,800 psi	0.019-.023	60

#### THINNING

For VOC limits of 500 g./l.: Do not thin.

For VOC limits of 650 g./l.:

BRUSH/ROLLER: Normally not required. Use 5-10%, 140 Thinner if needed (approximately ½ pint per gallon).

AIR-ATOMIZED SPRAY: Use 10-20%, 140 Thinner or as needed (approximately 1½ pints per gallon).

AIRLESS SPRAY: Normally not required. Use 5-10% 140 Thinner if needed (approximately ½ pint per gallon).

NOTE: VOC level of 4215303 is approximately is 680 g./l. unthinned and as supplied.

#### CLEAN-UP

140 Thinner.



## TECHNICAL DATA

# 4200 SYSTEM HIGH HEAT COATINGS

### PHYSICAL PROPERTIES

		ALL COLORS	4215 ALUMINUM	4268 PRIMER
<b>Resin Type</b>		Modified silicone	Modified silicone	Modified silicone
<b>Solvents</b>		Aliphatic hydrocarbons	Aliphatic hydrocarbons	Aliphatic hydrocarbons
<b>Weight</b>	<b>Per Gallon</b>	9.5-10.8 lbs.	9.5-10.8 lbs.	15.4 lbs.
	<b>Per Liter</b>	1.14-1.29 kg.	1.14-1.29 kg.	1.83 kg.
<b>Solids</b>	<b>By Weight</b>	59-63%	42%	72.5%
	<b>By Volume</b>	35-40%	23%	38%
<b>Volatile Organic Compounds*</b>		500 g./l. (4.2 lbs./gal.)	680 g./l. (5.6 lbs./gal.)	<650 g./l. (5.4 lbs./gal.)
<b>Recommended Dry Film Thickness (DFT) Per Coat</b>		1-2 mils (25-50µ)	1.0-1.5 mils (25-37.5µ)	1-2 mils (25-50µ)
<b>Wet Film to Achieve DFT</b>		2.5-6.0 mils (62.5-150µ)	4.5-6.5 mils (112.5-160.5µ)	2.5-5.5 mils (112.5-137.5µ)
<b>Theoretical Coverage at 1 mil DFT (25µ)</b>		560-640 sq. ft./gal. (13.8-15.7 m <sup>2</sup> /l.)	370 sq. ft./gal. (9.1 m <sup>2</sup> /l.)	610 sq. ft./gal. (15.0 m <sup>2</sup> /l.)
<b>Practical Coverage at Recommended DFT (assumes 15% material loss)</b>		240-550 sq. ft./gal. (5.9-13.5 m <sup>2</sup> /l.)	200-300 sq. ft./gal. (4.9-7.4 m <sup>2</sup> /l.)	260-520 sq. ft./gal. (6.4-12.8 m <sup>2</sup> /l.)
<b>Dry Times at 70-80°F (21-27°C) and 50% rel. hum.</b>	<b>Tack-free</b>	½-1 hours	½-1 hours	½-1 hours
	<b>Handle</b>	1-2 hours	1-2 hours	8-12 hours
	<b>Recoat</b>	8-24 hours	8-24 hours	8-24 hours
<b>Force Cure</b>		After 24 hours drying, raise the surface temperature to a minimum of 300°F for one hour.		
<b>Dry Heat Resistance</b>		300-800°F	300-800°F	300-800°F
<b>Shelf Life</b>		5 years	5 years	5 years
<b>Safety Information</b>	<b>Flash Point</b>	104°F (40°C)	81°F (27°C)	94°F (34°C)
	<b>Contains</b>	No lead has been deliberately added.		
	<b>Warning!</b>	<b>COMBUSTIBLE. CONTAINS PETROLEUM DISTILLATES. HARMFUL IF INHALED. MAY CAUSE RESPIRATORY TRACT, EYE AND SKIN IRRITATION. MAY AFFECT THE BRAIN OR NERVOUS SYSTEM CAUSING DIZZINESS, HEADACHE OR NAUSEA. FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN. SEE THE PRODUCT MATERIAL SAFETY DATA SHEET (MSDS) AND LABEL WARNINGS FOR ADDITIONAL SAFETY INFORMATION.</b>		

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

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.



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Form: 1055990  
Rev.: 04/06  
**Printed in USA**