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Sealmet

For Long-Term Oxidation Protection for Metals

Sealmet is a water-based coating that provides extended reduction in high-temperature surface oxidation and protection of metals from gaseous chemical attack during thermal cycles.

Key Attributes

- Forms Sealed-Porosity-Coating That Prevents High-Temperature Gaseous Reactions with Metal Surfaces
- Works for Most Ferrous Metals
- Hard/Abrasion-resistant
- Electrically-insulating Layer
- Applied Like Housepaints by Brushing or Spraying
- Forms Sealed-Porosity-Coating That Stops Oxidation: Performs Best if Used > 700 C (>1292 F) due to Pore-Sealing
- Safe, Water-Based, Easy to Clean Up After Use

Ideal Use

Protecting Stainless, Alloy Steels, Carbon Steels, Low-Alloy Steels from Oxidation/Gaseous-Chemical-Attack

Use Notes

1. DO NOT DILUTE.
2. Resuspend the paint.
3. Clean surface of oils, dirt, scale etc.
4. Apply preferably 1-3 mils (0.001-0.003 inch or 0.025-0.075 mm).
NOTE: THIN IS ALWAYS BEST ON METALS = THE RULE.
5. Allow to thoroughly dry before use.



Specifications

Active Ingredient	Sodium-Potassium-Aluminum-Silicate
Max Use Temperature	2372 F/ 1300 C
Use Atmosphere	All
Fired Composition	Mixed Ceramic Oxides
Liquid Carrier	Water
Brookfield Viscosity (cps)	1150-2050 @3/60
Specific Gravity	1.8
Color	Gray-Green
Shelf Life (months)	>12
Coverage (ft ² /gal)	100-400
Coating pH	9-10
H F R Ratings	1-0-0
Substrate Use	All
Other:	Nearly water-insoluble after drying; fully water-insoluble after heating > 662 F (>350 C).

Sizes and colors

Sealmet is a gray-green colored paint.
 Standard Size: wide-mouth 1 gallon pail.

Safety Information

- Consult SDS before use.
- Avoid breathing of spray/vapors.
- For Industrial Use only.

CAUTION: DO NOT CONTACT WET COATINGS WITH MOLTEN METAL.

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