



# HP | HIGH PERFORMANCE

# HP2640

Silicone High Heat Coating

## General Description

**HP2640 Silicone High Heat Coating** is designed to protect steel from heat exposure up to 800 °F (425 °C). It exhibits excellent weathering and resistance to mild industrial chemicals and moisture, specific for industrial applications. For both interior and exterior substrates.

- Protects steel exposed to heat ranges up to 800 °F (425 °C)
- Resists mild industrial chemicals and moisture
- Fast return to service

## Usage

For use on high heat stacks, boiler jackets or breechings, heat exchangers, drying kilns, incinerators and oven exteriors. Do not apply to galvanized metal.

Colors	Aluminum (78)
Bases	NA
Colorant System	Do Not Tint

## Technical Data

Resin	Modified silicone alkyd	
Pigment	Aluminum	
Volume Solids (mixed)	43 ± 2%	
Spread Rate Per Gallon	350 – 400 Sq. Ft.	
Recommended	Wet:	4.0 – 4.6 mils
Film Thickness	Dry:	1.7 – 2.0 mils
Depending on surface texture and porosity. Be sure to estimate the right amount of paint for the job. This will ensure color uniformity and minimize the disposal of excess material.		
Dry Time @ 77 °F	To Touch:	1 hour
(25 °C) @ 50% RH	To Recoat:	4 hours
High humidity and cool temperatures will result in longer dry, recoat and service times.		
Surface Temperature	Min:	50 °F
During Application	Max:	100 °F
Viscosity	80 ± 4 KU	
Flash Point	104 °F (TT-P-141, Method 4293)	
Sheen / Gloss	NA	
Clean Up	HP7030 or Xylene	
Thinner	Do Not Thin	
Weight Per Gallon	9.0 lbs.	
Storage Temperature	Min:	45 °F
	Max:	95 °F
VOC	< 500 g/L	

## Surface Preparation

Prior to painting any surface, area must be clean, dry and free of all grease, dirt, dust, oil and wax. Clean all surfaces using HP6000 Oil & Grease Emulsifier. Remove all remaining loose paint, rust and mill scale via Hand Tool Cleaning (SSPC-SP 2) or Power Tool cleaning (SSPC-SP 3). Fill holes and cracks and sand smooth. Glossy surfaces must be fully deglossed. Moderate to heavily rusted areas must be thoroughly prepared and active rust should be properly removed.

**WARNING!** If you scrape, sand, or remove old paint, you may release lead 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. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Informational Hotline at 1-800-424-LEAD or log on to [www.epa.gov/lead](http://www.epa.gov/lead).

## Primer Systems

**Ferrous Metal:** Self-priming

### Previously Painted:

Clean all surfaces using HP6000 Oil & Grease Emulsifier. Glossy surfaces must be fully deglossed. Prime bare surfaces with HP2640 prior to painting the entire surface.

## Limitations

- Not recommended for immersion extreme chemical exposure service.
- Do not apply to galvanized metal.
- Do not apply if material, substrate or ambient temperature is below 50 °F.

## Compliance & Certifications

FEDERAL	✓
OTC	✓
OTC II	✓
CARB	✓
CARB07	x
CARB19	x
UTAH	x
AZMC	x
SCAQMD	x
MPI	2

## Application

Stir thoroughly before and during use. Apply one or two coats. For best results, use a premium natural bristle brush and premium roller. Apply paint generously from unpainted area into wet area. This product can also be sprayed.

### Spray, Airless:

Pressure / 2,200 – 2,500 PSI  
Tip / 0.013 – 0.017

**NOTE:** Do not allow material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with recommended thinner. No reduction is necessary.

## Technical Assistance

Available through your local authorized independent Benjamin Moore retailer.

call 1-866-708-9180  
visit [www.benjaminmoore.com](http://www.benjaminmoore.com)

## Clean Up

Wash brushes, rollers, and other painting tools with HP7030 or xylene immediately after use.

**DANGER:** Rags, steel wool or waste soaked with the product may spontaneously catch fire if improperly discarded. Immediately after use, place rags, steel wool or waste in a sealed water-filled metal container.

**USE COMPLETELY OR DISPOSE OF PROPERLY.** This product contains organic solvents which may cause adverse effects to the environment if handled improperly. Emptied containers may retain product residue. Follow label warnings even after container is emptied. Residual vapors may explode on ignition. Disposal of wastes containing either organic solvents or free-liquids in landfills is prohibited. Local disposal requirements vary; consult your sanitation department or state-designated environmental agency for local disposal options.

## Environmental Health & Safety Information

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves. Do not breathe dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use only non-sparking tools. Take action to prevent static discharges. Keep cool.

**Storage:** Store locked up. Store in a well-ventilated place. Keep container tightly closed.



**WARNING** Cancer and Reproductive Harm— [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)  
Refer to the product label & Safety Data Sheet for product specific information.

**FIRST AID:** IF exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. In case of fire: Use CO<sub>2</sub>, dry chemical, or foam for extinction.

**IN CASE OF SPILL** – Absorb with inert material and dispose of as specified under “Clean Up”.

**FOR PROFESSIONAL USE ONLY  
KEEP OUT OF REACH OF CHILDREN**

**Refer to Safety Data Sheet for additional health  
and safety information.**