



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 425 °C (800 °F). 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 425 °C (800 °F)
- 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

Vehicle	Modified silicone alkyd
Pigment	Aluminum
Volume Solids	43 ± 2%
Spread Rate Per Gallon	32.5 – 37.8 sq. m. (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 colour uniformity and minimize the disposal of excess material.

Dry Time @ 25 °C To Touch: 1 hour
(77 °F) @ 50% RH To Recoat: 4 hours

High humidity and cool temperatures will result in longer dry, recoat and service times.

Surface Temperature	Min: 10 °C (50 °F)
During Application	Max: 37.8 °C (100 °F)
Viscosity	80 ± 4 KU
Flash Point	4 °C (104 °F) or greater (TT-P-141, Method 4293)
Sheen / Gloss	NA
Clean Up	HP7030 or Xylene
Thinner	Do not thin
Weight Per Gallon	4.1 kg (9.0 lbs.)
Storage Temperature	Min: 7.2 °C (45 °F) Max: 35 °C (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 logging onto Health Canada @ <https://www.canada.ca/en/health-canada/services/environmental-workplace-health/environmental-contaminants/lead/lead-information-package-some-commonly-asked-questions-about-lead-human-health.html>

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 °C (10 °F).

Compliance & Certifications

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.ca

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.

Environmental Health & Safety Information

DANGER!

May cause an allergic skin reaction

May cause genetic defects

May cause cancer

May damage fertility or the unborn child

May cause drowsiness or dizziness

May cause damage to organs through prolonged or repeated exposure

May be fatal if swallowed and enters airways

Flammable liquid and vapor

Risk of spontaneous combustion

Prevention: 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. Immediately after use, place rags, steel wool or waste used with this product in a sealed water-filled metal container or lay flat to dry.

Response: 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 CO₂, dry chemical, or foam for extinction.

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

Disposal: Dispose of contents/container to an approved waste disposal plant. Materials such as rags used with this product may begin to burn by themselves. After use, put rags in water or lay flat to dry, then discard.

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

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