



HIGH TEMPERATURE COATINGS

APPLICATION INFORMATION

POR -20 BRILLIANT ALLUMINUM, BLACK VELVET, FACTORY MANIFOLD GREY AND HOT GOLDHEAT RESISTANT PAINT

WARNING: THIS SHEET MUST BE READ AND UNDERSTOOD THOROUGHLY BEFORE USING THE HEAT RESISTANT PAINTS.

GENERAL INFORMATION

POR-20 Brilliant Aluminium, Black Velvet, Factory Manifold Grey, and Hot Gold are designed for use on steel subject to elevated temperatures. The recommended application is two coats applied directly to properly prepared steel. This is particularly important with extractors (Note: thin extractors like motorcycle pipes generally exceed the Temp Rating)

These products will dry to the touch and can be easily handled afterward, but will remain relatively soft until exposed to heat over 150°C (300°F). They may be susceptible to mechanical damage, but are unaffected by moderate term weather exposure.

Heat Resistance: Hot Gold—400°C, Black Velvet—650°C, Brilliant Aluminium—760°C, Factory Manifold Grey—760°C

Uses: Manifolds, Exhaust systems, Ovens, Stacks, Stoves, Headers, Boilers.

SURFACE PREPARATION

Steel surfaces must be dry and cleaned of dirt, oils, rust and other contaminants, including other coatings. For best performance the proper preparation is abrasive sandblasting, if not then wire brushed or sanded or filed surfaces. Stainless steel surfaces should be given a sweep blast, or otherwise be mechanically abraded to create a surface profile which will give improved bonding. Surgical-type gloves should be worn for handling to keep natural body oils off the prepared surface.

APPLICATION:

Gloves should be worn for handling the manifold, to keep natural body oils off the prepared surface.

Stir thoroughly before use and occasionally during application. **DO NOT SHAKE.** After proper surface preparation. Apply by brush, roller or spray. **For spray application,** reduce if necessary up to 1 part POR15 Solvent to 8 parts POR20 Heat Resistant Paint. For best results, two thin covering coats are recommended. Any sagging or running indicates that application is too heavy.

Avoid going over the same area again after it has been coated. Allow paint to set for 24 hours on the surface before temperature is raised. Application of this product is recommended only when surface temperature is **below 40°C (120°F)**. When applying two coats, allow the first coat to air dry at 24°C (75°F) before recoating. Alternatively, the second coat may be applied after the first coat has been subjected to a surface temperature of 150°C (300°F), and then allowed to cool down.

THINNER

For brush or spray and clean-up purposes, use only **POR-15 SOLVENT.**

DRY TIME

At 24°C (75°F), dry time is 4 hours to touch. Recoat after a minimum of 24 hours. Attains full hardness only after heat exposure above 150°C(300°F).

These coatings require heat (150 °C) for the resin to bond to the metal. Un-heated paint left on a porous manifold for long periods will build up moisture under the coating and then peel when heated. We suggest oven heating if it is not going to be installed immediately and cured by running the vehicle's engine. (within a short period of time)

SAFETY

Improper handling and use may be hazardous. Recommended safety precautions for storage, handling and application must be observed.

CONTAINS ORGANIC SOLVENT

COMBUSTABLE; HARMFUL IF INHALED; MAY AFFECT THE BRAIN OR NERVOUS SYSTEM, CAUSING DIZZINESS, HEADACHE OR NAUSEA. MAY CAUSE NOSE AND THROAT IRRITATION. MAY CAUSE LUNG IRRITATION. MAY CAUSE EYE AND SKIN IRRITATION.

Keep away from heat sparks and flame. Use with adequate ventilation. Do not breathe vapours or spray mist. Wear an appropriate, properly fitted respirator (NIOSH/MSHA approved) during and after application unless air monitoring demonstrates vapour/mist levels are below applicable limits. Follow respirator manufacturer's directions for respirator use. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Always wear gloves and use in a well ventilated area.

FIRST AID

In case of eye contact, flush with plenty of water for at least 15 minutes and get medical attention. For skin, wash thoroughly with soap and water. If affected by inhalation of vapour or spray mist, remove to fresh air.

If swallowed, get medical attention. Keep container closed when not in use. In case of spillage, absorb with inert material and dispose in accordance with applicable regulations

NOTICE: Intentional misuse by deliberately concentrating and inhaling may be harmful or fatal.

The information set out in this flier is, so far as can be ascertained, true and accurate, but all recommendations are made without guarantee.

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