



## POR-15 ENGINE ENAMEL

### Application Information

#### High Temperature Engine Enamels

Paints are composed of many different chemicals, but to simplify the matter there are basically two components in every formulation: 1) the paint mix, which includes resins, pigments, surfactants, other coloring agents, adhesion promoters, etc., and 2) the solvent (also called the carrier), which causes the paint mix to act like paint and coat properly; it also thins the paint mix, and, after application, evaporates into the atmosphere, leaving behind the paint solids as a coating.

Paints that dry quickly have a higher percentage of fast-evaporating solvents in them, and so multiple coats are necessary to cover properly and give depth and clarity to the finish. When a paint contains a high percentage of solvent, that necessarily means it contains a lower percentage of paint, or solids. Solvent is cheap, and the solids in a paint formulation are expensive; is it any wonder many paints contain a high percentage of solvents? Since solvent quickly disappears after application through evaporation, you may find yourself short-changed when your paint job is done.

The engine enamel you have purchased from POR-15 is different from other engine enamels on the market. Compare ours to others you've used, and you'll find that it covers better, has superior depth and clarity, brilliant color and gloss. No primer is required, just be sure your engine is clean and grease-free before painting.

**PRODUCT DESCRIPTION:** This product is formulated to be the finest engine paint available, with a richness and depth of color unsurpassed by any other paint of its type. The finest pigments and color ingredients have been used in sufficient quantities to insure a composition of 80% solids, which means more paint on your engine and less solvent dissipated into the atmosphere.

**Surface Preparation:** Surfaces to be coated must be free of grease, oil, grit, rust, and other foreign material that might impede proper adhesion. Rough surfaces on engine castings or other cast iron need no further preparation, but smooth surfaces, especially shiny smooth surfaces, should be treated with POR-15® Metal-Ready before painting. Do not use this product to coat exhaust systems.

**Application:** Apply in well-ventilated area only. Ideal ambient temperature for application is 70°F(22°C), but an acceptable temperature range is between 50-80°F(12-28°C). Mix POR-15® Engine Enamels by stirring only. Do not shake.

**Thinning Ratio:** Do not thin more than 20% (1 part thinner to 5 parts enamel). Thin with POR15 solvent. POR-15® Engine Enamels can usually be brushed without thinning. A full coat will cover completely with excellent color depth. If a second coat is desired, wait 24 hours before topcoating. Dry Time: Allow 8 hours for enamel to dry tack-free. Wait 4-6 days before starting engine.

**Warning - Please Read Carefully:** Apply in well-ventilated area only. If application must be in a closed or confined area, use an organic vapor respirator (NIOSH/MSHA approved). Do not inhale fumes. Keep out of reach of children. Do not use near open flame or sparks or other sources of ignition.

**Combustible - Harmful or fatal if swallowed.** This product is not photochemically reactive.

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