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manufacturers of



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# **Aseal DB-3**

## **Header Coating**

### **Application**

High temperature ceramic coating for use on automotive parts up to 1600 deg. F. Aseal DB-3 has been formulated for ease of application with excellent hang and flow properties. After curing, this coating will have a satin finish with a very even appearance.

### **Colors**

Available in black and gray. Special colors available upon request (i.e blue, green, etc.)

### **Surface Preparation**

Special care must be exercised in the preparation of the surface for all high quality, premium performance coatings.

1) Degreasing. All oil, grease and other organic deposits must be removed by suitable degreasing operation or by heating parts to temperature sufficiently high to facilitate removal.

2) Cleaning and Roughening. All old coats, mill scale, rust, or other tightly adherent deposits must be removed by a method such as dry grit blasting or vapor blasting. Grit blast, using clean aluminum oxide (AL<sub>2</sub>O<sub>3</sub>) grit, is the recommended cleaning procedure which is necessary for maximum adhesion to steel, although other abrasive methods may be satisfactory.

### **Application**

Mix component B (1 part by volume) to component A (1 part by volume) and stir thoroughly.

Apply using standard siphon feed spray gun as used for lacquer type materials. A light mist coat should be applied first then followed with a heavier coat. After spraying, it should have a uniform wet glossy appearance. Coating film should be allowed to air dry for a minimum of 20 minutes.

### **Curing Procedure**

After 20 minute air dry, parts should be oven dried at 175° F. for a minimum of 20 minutes, then cured at 500° F. for one hour.

### **Toxicity**

Aseal DB-3 composition contains phosphoric acid and a small amount of chromic acid which are toxic. Normal precautions should be taken against ingestion, inhalation, and contact with eyes. Precautions should be taken to insure that the wet compound does not come in contact with sores or cuts.

Contains hexavalent chromium. The National Toxicology Program lists chromium and certain chromium compounds to be carcinogenic.

See Material Safety Data Sheet before using.

### **Precautions**

Contains dichromate and a small amount of organic solvent (part B). Normal precautions should be taken for handling of acidic materials. Avoid ingestion. HARMFUL OR FATAL IF SWALLOWED. Avoid inhalation of spray mist and contact with

eyes. In case of eye contact, flush immediately with plenty of water and consult a physician. Avoid prolonged or repeated contact with skin. For skin contact flush with plenty of water.

When spraying, a suitable exhaust system should be used. If spray mist is not completely removed from air a suitable respirator should be used.

In case of spill use absorbing material to soak up and neutralize with sodium bicarbonate. Do not use strong alkalis. Then flush area with water.

**Waste Disposal Method:** Treat liquid with sodium metabisulfite, then precipitate trivalent chromium by neutralizing with alkali such as lime. Dispose of waste in accordance with federal, state and local environmental control regulations.

**Note:** Some manufacturers using this coating composition develop their own application and cure procedure specifications and in all cases they should be followed in place of the foregoing procedures.

**LIMITED WARRANTY :** All statements, technical information and recommendations contained herein are based on tests the manufacturer believes to be reliable, but the accuracy or completeness thereof is not guaranteed, and the following is made in lieu of all warranties, express or implied:

Seller's and manufacturer's only obligation shall be to replace such quantity of the product proved to be defective at the time the sealed container is first opened, and in no event beyond the shelf date printed on the label. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or consequential, arising out of the use of or the inability to use the product. Before using, user shall determine the suitability of the product for his intended use, and user assumes all risk and liability whatsoever in connection therewith.

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