



Scrubber Fan Impeller

## A wear resistant hard surfacing 'paint-on-paste' for high wear applications

### Product Description:

Product consists of a "paint-on-paste" formulated by suspending chrome boride particles in an aqueous base for easy application. Upon fusion with a substrate, it forms ultra hard chromium boride crystals with superior anti-wear properties.

### Typical Applications:

ID fan blades, scrappers, screw conveyors, FK pump screws, air separator guide, sinter fans, PA fans etc.

### Outstanding Features:

- Excellent abrasion & erosion resistance.
- Easy to apply.

### Recommendation:

Coating is recommended on low carbon steel components, medium carbon, low alloy steel & stainless steel. Not recommended for non ferrous metals & cast iron.

### Procedure:

Clean the base metal thoroughly from residues of oil, dust, grease & oxides. Grinding is preferred. Apply the paste on the cleaned surface to a thickness of 1.0-1.5 mm. Ensure the applied paste is uniformly spread on the job surface. Allow the applied paste to fully dried in air (Normally 1/2 to 1 hour). Fusion of the coating can be done by FuseTrobe or Oxy Acetylene process. Use FuseTrobe for fusion. Use DC source with electrode negative. Fuse by weaving the electrode. Allow the fused deposit to cool in still air. Oxy-Acetylene Process is recommended if base metal thickness is less than 5 mm. Use carburizing flame. As the bonding proceeds, move the flame along at a rate sufficient to keep the 'sweating' ahead of the flame. Width of the path depends on the surface area & base metal thickness.

**Coverage:** 300 cc/kg of paste  
(Avg. coating thickness = 1.5mm)

**Hardness:** 68 - 72 HRc