



**servis**  
heat treatment

## **Data Sheet - Sealbond™**

### **Description:**

A low temperature process that imparts scuff resistance, and greatly enhanced corrosion resistance.

### **Application:**

Applied to mild and low alloy steels for service in low indentation environments and particularly where excellent corrosion resistance is required in low maintenance capability areas.

Typical components: crankshafts, gears, camshafts, cylinders, seat slides.

### **Metallurgical Aspects:**

Compound layer depth: 0.015 - 0.03 mm.

Compound layer hardness: 700  $\mu$ HV plus.

Substrate hardness: Dependant upon material.

### **Appearance:**

Produces an aesthetically pleasing blue/black surface.

### **Corrosion Resistance:**

Protection rating up to 600 hrs. as assessed by Neutral salt spray testing- ASTM B117-73(BS 7479) - Factor 7(0.3% Rust - ASTM scale D610).