



huyton
heat treatments

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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 μ 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).