



“The Black-Magic CBL, Infusion, and SSL provide consistent, reliable performance and Hubbard-Hall’s exceptional customer service has been instrumental in the growth of our business.”

Mark Scott
President & CEO
Thermal Metal Treating

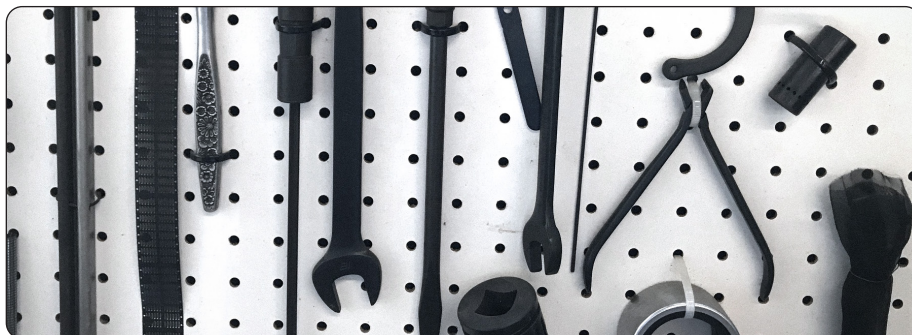
Finishing the Hard to Finish

Black Magic®

Black Magic is an innovative single-bath blackening process for steel. As a true conversion coating, Black Magic yields an attractive, long-lasting decorative finish that won't peel, flake or chip.

Manufacturer's count on Black Magic to reduce the costs of finished pieces, save on over-spraying waste and reduce the time and cost of setting up and maintaining equipment.

Now you can apply a durable black oxide conversion coating to steel, stainless steel and copper alloys with HH's black oxide line. Black Magic is designed to give the darkest black available and provides a tight, adherent, highly durable coating. The attractive black finish imparts moderate corrosion resistance that, when properly sealed, resists galling and enhances lubricity.



Key Features

Eliminates dimensional change

Blackening changes the metal's surface instead of adhering to it, so there is no surface build-up or distortion.

Improved corrosion resistance

Black finishes absorb final sealants and rust preventatives to obtain up to twice the corrosion resistance of a non-blackened surface.

Reduced light glare

Glare reduction on moving tools and machine parts improves safety and reduces eye fatigue.

Continued on other side



Hubbard-Hall's Black Magic Product Line

Black Magic is a top performer that will last indefinitely as long as proper care and maintenance are performed.

Black Magic CBL

Liquid concentrate designed for copper and copper alloyed surfaces. Produces ultimate black finish on brass when used in conjunction with Black Magic BAL. Meets the MIL-F-495 specification.

Black Magic Infusion

Liquid concentrate designed for steel, providing the darkest black oxide finish in the market. Meets and surpasses military and aeronautical specifications. Meets MIL-DTL-13924 Class1 specification.

Black Magic SSL

Pre-mixed liquid product developed to impart a black conversion coating on stainless steel, cast and malleable irons. Meets Mil-DTL-13924 Class 4 specification.

Black Magic SS-C

Powdered product developed to impart a black conversion coating on stainless steel, cast and malleable irons. RoHS compliant and meets Mil-DTL-13924 Class 4 specification.

Hubbard-Hall is the only major supplier of hot and room temperature black oxide chemistry, contact us today.

FF-0820

Key Features (cont.)

Improved abrasion resistance

The anti-galling surface achieved with blackening allows outer lubricating layers to be sacrificed during contact and abrasion for excellent break-in.

Improved adhesion quality

Blackening has a property-changing effect that enhances adhesive qualities in metal. Paint and other finishes adhere stronger, quicker and are more long-lasting.

Our people. Your problem solvers.

Expertise you can trust. 32% of Hubbard-Hall associates are in tech support, customer service or sales. This means that you get answers fast while the rest of our team gets your order delivered on time and in spec.

HubbardHall.com

Chemistry and Expertise for Manufacturing's Toughest Problems



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Cleaning
the Hard to Clean



Finishing
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Treating
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