

Presto Black Room Temperature Black Oxide



A room-temperature Presto Black finish is a low cost way to achieve good corrosion protection and enhance sales appeal.

Presto Black® In-House Blackening Process

For Tooling, Machine Components

Why Blacken?

A PRESTO BLACK finish is a low-cost way to enhance sales appeal and corrosion resistance.

The clean, satin black surface absorbs a rust preventive topcoat to achieve up to 100-200 hours salt spray or 1,200 hours humidity resistance.

Easy, Safe to Operate

Mild, room temperature solutions operate without hazardous fumes and make the system safe to work with and easy to manage. No prior experience needed. Operators learn the system quickly with support from our factory-trained personnel.

Zero Drain Pollution

Through Ion Exchange technology, the PRESTO BLACK process line operates as a completely self-contained system, with no rinsewater discharge to the sewer. The Ion Exchange system purifies and recycles the rinsewaters, to be re-used over and over. No discharge permit needed.

Rapid Payback of Capital Outlay

Today's manufacturing environment demands fast turnaround for part finishing and smooth workflow patterns throughout the plant – features available only with an in-house blackening system. With a 15-minute turnaround time, The PRESTO BLACK system directly replaces outside finishing and streamlines adjoining plant operations.

The PRESTO BLACK® finish is ideal for many components

Castings, forgings, even powdered metal can be blackened easily, with no red-brown coatings or white salt leaching problems. Excellent results on tools, machine components, valves, pumps, power drive components, fasteners and other tight tolerance surfaces of all non-stainless alloys.

Sample Blackening – No Charge

See what the PRESTO BLACK finish can do for your product. We'll blacken samples at No Charge and return them with recommendations. Call 952.937.7931.



Presto Black® Process Steps



1. Safe Scrub®
140° F; 5 minutes
Heavy-duty cleaner to remove surface soils

2. Rinse
20 seconds
(cold water)
Purified by Ion Exchange

3. Safe Prep®
Surface Conditioner
Room Temp;
2 minutes, Primes & Preps metal surface

4. Rinse
20 seconds
(cold water)
Purified by Ion Exchange

5. Presto Black® MKP
Room Temp; 3 minutes
Blackens most alloys with a non-dimensional finish. Use with RPL Replenisher

6. Rinse
20 seconds
(cold water)
Purified by Ion Exchange

7. Sealant
Room Temp; 1 minute
Choose from below the product that best suits your requirements

Sealant Options

Solvent Based

DRI TOUCH® AMBER IRP2
Heavy-duty, semi-dry film will not wick off into packaging. Good handling properties. 120 hour salt spray.



SHEATH® RB1
A light oil water-displacer for added surface lubricity. 96 hour salt spray.



DRI TOUCH® IRP1
Super thin, dry film for raw steel surfaces. Water displacer. 72 hour salt spray.



Water Based

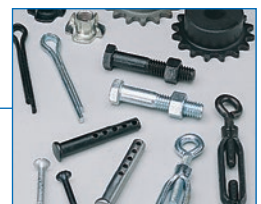
SATIN SHIELD® SS10
Acrylic wax sealant. Clear, satin-gloss finish. Ideal for parts requiring cosmetic appeal.



CLEARLOK®
Polyurethane/acrylic sealant. Hard, glossy finish. For parts requiring cosmetic appeal and scratch resistance.



SHEATH® WS12
Water-dilutable oil. Light oil finish with no flash point. For tools, machine components, bulk-handled parts.



Ask Us About...

- Custom Tank Lines • Automated Tank Lines
- 40 & 100 Gallon Tank Lines • 5-Gallon Mini Kits
- Ion Exchange & Near-Zero Water Recycler Options

40 & 100 Gallon Process Lines

Completely pre-engineered, ready for fast setup and operation. Each system is shipped with complete operating instructions including test kit, owners manual and maintenance log.



5-Gallon Mini Kits

The ideal low cost system for those just-in-time jobs that must be out today. With a 5-Gallon Mini System you can produce great looking parts in just minutes.



Ion Exchange System Zero Discharge System

Purify and recycle the rinse waters, resulting in a "closed-loop" zero-discharge installation. The technology is available for all size systems, including 40-gallon, 100-gallon and larger capacity custom tank systems.

Free Sample Finishing to Evaluate Options:
birchwoodtechnologies.com/sample/

BIRCHWOOD[®]
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