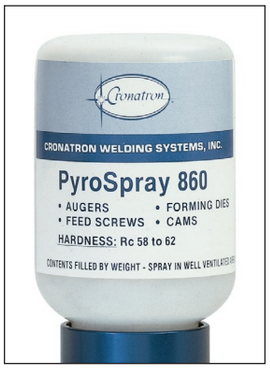
PyroSpray™ Powders



Flame-sprayed powdered alloys provide precise control and application that allows metal surfaces to be joined or clad with unparalleled efficiency.

Superior Advantages

- Make a metallurgical bond with the base metal
- Our technical team will work closely with you to determine the best product for your specific application

Applications

- Repair cracks, pinholes and keyways
- Repair flights, screws and tools
- Wear resistance for gears, feed rolls, pump parts, dies, blades and equipment

Description	Application	Hardness	Part No.	Pkg. Qty. (Lbs.)
PyroSpray™ 810	Cast Iron – Cushion Layer	Rb 83-88	**CW1971**	1
PyroSpray™ 810	Cast Iron – Cushion Layer	Rb 83-88	**CW1971A**	2
PyroSpray™ 820	Cast Iron and Steel – Machinable	Rb 90-95	**CW1083**	1
PyroSpray™ 820	Cast Iron and Steel – Machinable	Rb 90-95	**CW1083A**	2
PyroSpray™ 830	Cast Iron and Steel – Glass Molds	Rc 28-32	**CW1950**	1
PyroSpray™ 830	Cast Iron and Steel – Glass Molds	Rc 28-32	**CW1950A**	2
PyroSpray™ 840	Steels, Stainless, Cast Iron and Nickel Alloys	Rc 38-42	**CW1084**	1
PyroSpray™ 840	Steels, Stainless, Cast Iron and Nickel Alloys	Rc 38-42	**CW1084A**	2
PyroSpray™ 850	Hard, Grindable Deposits	Rc 50-55	**CW1951**	1
PyroSpray™ 850	Hard, Grindable Deposits	Rc 50-55	**CW1951A**	2
PyroSpray™ 860	Wear and Corrosion Resistant – Grindable	Rc 52-62	**CW1085**	1
PyroSpray™ 860	Wear and Corrosion Resistant – Grindable	Rc 52-62	**CW1085A**	2
PyroSpray™ 880	Carbide Particles in a Tough Matrix – Grindable	Rc 60+*	**CW1086**	1
PyroSpray™ 880	Carbide Particles in a Tough Matrix – Grindable	Rc 60+*	**CW1086A**	2

**Particle Hardness: Knoop 2300-2500*

CryoSpray™ Powders

Pre-alloyed powdered metals for buildup and wear resistance, applied to base metals at temperatures less than 500°F.

Superior Advantages

- Make a metallurgical bond with the base metal
- Our technical team will work closely with you to determine the best product for your specific application

Applications

- Resurfacing shafts
- Bearings and sleeves
- Pistons and crankshafts

Description	Application	Hardness	Minimum Bonding Temperature	Thickness Buildup (Inches)	Part No.	Pkg. Qty. (Lbs.)
CryoSpray™ 806 Bondcoat	Initial bond coat underlay for other powders	–	–	–	**CW1952**	1
CryoSpray™ 815	Iron-based, dense multi-purpose alloy for buildup	Rb 81-88	200°F	0.125	**CW1949**	5
CryoSpray™ 825	Machinable, high-chrome alloy to combat wear and fretting	Rc 21-28	200°F	0.100	**CW1962**	2
CryoSpray™ 835	Top coat aluminum bronze alloy providing frictional wear properties	Rb 65-75	200°F	0.250	**CW1948**	2
CryoSpray™ 845	Stainless alloy for top coat	Rb 80-85	200°F	0.100	**CW1963**	2
CryoSpray™ 855	Aluminum bronze alloy for top coat	Rb 82-90	200°F	0.150	**CW1964**	2
CryoSpray™ 865	Machinable, corrosion-resistant top coat	Rb 75-83	200°F	0.125	**CW1947**	2
CryoSpray™ 885	Grindable, corrosion-resistant top coat	Rc 32-37	200°F	0.080	**CW1966**	2
CryoSpray™ 8815	One-step machinable alloy for metal-to-metal wear resistance	Rc 18-35	200°F	0.250	**CW1967**	2
CryoSpray™ 8835	One-step aluminum bronze alloy for buildup	Rb 60-65	200°F	0.150	**CW1968**	2
CryoSpray™ 8847	One-step machinable coating for wear and mild impact resistance	Rb 70-75	200°F	0.125	**CW1969**	2
CryoSpray™ 8865	One-step buildup coating for resistance to fretting and particle erosion	Rb 78-82	200°F	0.125	**CW1970**	2