

FUSETEC**HOT METALLIZING POWDER****DESCRIPTION**

Fusetec hot metallizing powders are used for rebuilding and hardfacing steel, cast iron, stainless steel and nickel alloy parts subjected to corrosion, abrasion, impacts and high temperature oxidation. **Fusetec** powders are produced through modern metallurgical manufacturing methods for high quality output.

PRODUCTS	COMPOSITION	DESCRIPTION
Fusetec F-920	Ni - Cr - B Fe - C - Si	Very high nickel base universal alloy for rebuilding parts requiring maximum machinability. Excellent for thin coatings and underlaying before hardfacing. Ideal for molds, dies, valves, camshafts, gate valve components, etc. <i>Slightly carburizing flame.</i> Hardness : 15 – 20 HRC.
Fusetec F-940	Ni - Cr - B Fe - C - Si	Nickel-chromium base alloy for thin layer and/or multipass rebuilding and hardfacing. Excellent protection against frictional wear and superior corrosion and heat resistance. Machinable with carbide tools. Ideal for molds, pump components, crankshaft, shafts, etc. <i>Slightly carburizing flame.</i> Hardness : 36 – 43 HRC.
Fusetec F-960	Ni - Cr - B Fe - C - Si	Nickel-chromium-boron base alloy for thin hardfacing layers. Maintain a good high temperature hardness. Exceptionally smooth deposits. Excellent protection against wear by abrasion, heat, impacts and corrosion. Machinable by grinding only. Ideal for cams, augers, knives, tool steels, etc. <i>Slightly carburizing flame.</i> Hardness : 58 – 63 HRC
Fusetec F-968	Ni - Cr - W Fe - C - Si - B	Nickel base alloy with high tungsten carbide particle content providing extremely high abrasion resistance. Maintain a good high temperature hardness. Unmachinable. Ideal for mixer blades, augers, slide bars. <i>Slightly carburizing flame.</i> Hardness (matrix) : 60 HRC (+WC)

Note: With F-960 and F-968 powders, use F-920 or F-940 powder as underlaying if the thickness of the hardfacing required is above 3 mm (0.12").

For more informations contact the FSH Welding Canada Technical Departement.

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Specialized welding alloys and technology. For technical assistance or for ordering: