

## Product Information

**Grade:** **F-650-HV2**

**Description:**

F-650-HV2 is a iron based hard-surfacing powder for application by HVOF process. It provides an alternative to hard-chrome plating. The alloy forms super-hard submicron structures and has excellent properties in dry wear applications. F-650-HV2 has exceptional corrosion resistance, having remained unaffected when subjected to salt spray for 150 hours.

The nominal hardness is 615 HV0.5

**Nominal Composition:**

Element	Fe	Cr	B	Ni	C
wt%	Base	32	4.6	8	0.6

**Apparent Density (powder):** 3.1 – 3.6 g/cm<sup>3</sup>  
**Density (solid):** 7.4 g/cm<sup>3</sup>  
**Particle Size Distribution:** 53 – 20µm  
**Application:** HVOF Thermal Spray