


Coatings Conversion Chart & Application Properties

 USTS Item	Formula	Manufacturer Part Numbers and Commercial Names				
		Typical Particle Size	Hoganas Stark "Amperit"	Metco "Woka"	Praxair Surface Technologies	Other
S100	88%Wc/12%Co	45/15	518.074	3102	WC-727-1/1342VM	C1000
★ S100/4	86%Wc/10%Co/4%Cr	45/15	507.074	3652	WC-731-1/1350VM	C1000Cr
S100/n	90%Wc/10%Ni	45/15	547.074	3302	WC-724/1310F	C1000Ni
S900	88%Wc/12%Co	30/5	519.059	3110 FC	WC-727-6	C9000
S400	75%CrC/25%Cr	45/15	588.074	7202	CRC-300/1375VF	C4000
S100/4n Flash Carbide 100% Nano	86%Wc/10%Co/4%Cr	15/5	554.067	3661 FC	WC-731-6	N/A

Choose the best coating for your application			
Coating Name	Abrasion Resistance	Corrosion Resistance	Max Operating Temp
★ S100 30% Nano	Excellent standard & fine particle abrasion resistance	Good corrosion Resistance	800°F (426°C)
S100/4 30% Nano	Excellent standard & fine particle abrasion resistance	Excellent corrosion Resistance	800°F (426°C)
S100/n 30% Nano	Excellent standard & fine particle abrasion resistance	Good corrosion Resistance	800°F (426°C)
S900 30% Nano	Excellent standard & fine particle abrasion resistance	Good corrosion Resistance	800°F (426°C)
S400	Moderate abrasion resistance	Excellent corrosion Resistance	1200°F (648°C)
S100/4n Flash Carbide 100% Nano	Excellent standard & fine particle abrasion resistance	Good corrosion Resistance	800°F (426°C)

★ Our S100/4 offers the best combination of high abrasion & corrosion resistance. We recommend this coating for most applications.