Technical Data

Powder

Praxair Surface Technologies
1555 Main Street
Indianapolis, IN 46224

Praxair Surface Technologies
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Wear Materials Selection Chart

Powder Chemistry (nominal)	Powder Name	Coating Hardness (Rc)	Bond Strength (PSI)	Wear Ranking (1-10)	Corrosion Ranking (1-10)	Ductility Ranking (1-10)	DE Spray Rate
WCrC-CoCr	W-121	69	10,000	7	6	6	60% 8-20 lbs/hr
CrWC-CoCr	W-124	67	10,000	8	6	6	55% 8-20 lbs/hr
CrWC-NiCr	W-129	68	10,000	7	7	6	50% 8-20 lbs/hr
WC-12Co	1342VM	70	10,000	9	2	2	40% 8-20 lbs/hr
WC-17Co	1343VM	69	10,000	8	5	4	40% 8-20 lbs/hr
WC-Co-Cr	1350VM	69	10,000	9	6	4	40% 8-20 lbs/hr
WC-Cr-Ni	1356VM	68	10,000	8	6	2	30% 8-15 lbs/hr
CrC-25NiCr	1375VM	57	10,000	7	8	5	30% 8-10 lbs/hr
NiCrBSiFe	1275H	52	9,000+	6	7	5	45% 8-20 lbs/hr
CrC-30NiCr	CRC-410-1	64	10,000	7	8	7	50% 8-15 lbs/hr
CrC-45NiCr	CRC-425-1	60	10,000	6	7	7	50% 8-15 lbs/hr
CrC-65NiCr	CRC-415-1	55	10,000	4	8	7	50% 8-15 lbs/hr
Stellite 6	CO-106-1	49	9,000+	5	7	7	45% 8-20 lbs/hr
NiCrB+WC	1334F	63	10,000	7	5	6	45% 8-20 lbs/hr
WC-10Ni	1310VM	60	10,000	7	6	6	45% 8-15 lbs/hr

All ranking is relative to other thermal spray materials. 1=Lowest Ranking, 10 = Highest Ranking