

**TECHNICAL NOTE**

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**AVAILABLE POWDERS FOR JET KOTE® SURFACING SYSTEMS**

| <b><u>JK® POWDER DESIGNATION</u></b> | <b><u>DESCRIPTION</u></b>   |
|--------------------------------------|---|
| JK® 112                              | 88% Tungsten Carbide/12% Cobalt<br>(Fine Carbides) (Propylene Fuel Use)         |
| JK® 112H                             | 88% Tungsten Carbide/12% Cobalt<br>(Fine Carbides) (Hydrogen Fuel Use)          |
| JK® 114                              | 88% Tungsten Carbide/12% Cobalt<br>(Coarse Carbides)                            |
| JK® 117                              | 83% Tungsten Carbide/17% Cobalt<br>(Intermediate Size Carbides)                 |
| JK® 119                              | 91% Tungsten Carbide/9% Cobalt  |
| JK® 120P                             | Tungsten Carbide/10% Cobalt/4% Chromium<br>(Fine Carbides) - Propylene Fuel     |
| JK® 120H                             | Tungsten Carbide/10% Cobalt/4% Chromium<br>(Fine Carbides) - Hydrogen Fuel Only |
| JK® 125                              | Tungsten Carbide/Chromium Carbide/6% Nickel                                     |
| JK® 135                              | 75% Chromium Carbide/25% [80% Ni/20% Cr]  |
| JK® 136                              | 80% Chromium Carbide/20% [80% Ni/20% Cr]  |

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| <b><u>JK<sup>®</sup> POWDER DESIGNATION</u></b> | <b><u>DESCRIPTION</u></b>  |
|---|--|
| JK <sup>®</sup> 157                             | Stellite <sup>®</sup> 157  |
| JK <sup>®</sup> 212                             | 88% Tungsten Carbide/12% Cobalt  |
| JK <sup>®</sup> 217                             | 83% Tungsten Carbide/17% Cobalt  |
| JK <sup>®</sup> 220                             | Tungsten Carbide/10% Cobalt/4% Chromium  |
| JK <sup>®</sup> 276                             | Nistelle <sup>®</sup> C-276  |
| JK <sup>®</sup> 312                             | 88% Tungsten Carbide/12% Cobalt  |
| JK <sup>®</sup> 347                             | 89% Nickel/6% Aluminum/5% Molybdenum   |
| JK <sup>®</sup> 350                             | 95% Nickel/5% Aluminum   |
| JK <sup>®</sup> 513                             | Delchrome <sup>®</sup> 316 Stainless Steel                                     |
| JK <sup>®</sup> 531                             | Tristelle <sup>™</sup> TS-1 (1% Carbon)<br>Duplex Stainless Steel              |
| JK <sup>®</sup> 532                             | Tristelle <sup>™</sup> TS-2 (2% Carbon)<br>Duplex Stainless Steel              |
| JK <sup>®</sup> 533                             | Tristelle <sup>™</sup> TS-3 (3% Carbon)<br>Duplex Stainless Steel              |
| JK <sup>®</sup> 554                             | Tribaloy <sup>®</sup> T-400<br>Intermetallic Cobalt Alloy                      |
| JK <sup>®</sup> 557                             | Tribaloy <sup>®</sup> T-700<br>Intermetallic Nickel Alloy                      |
| JK <sup>®</sup> 558H                            | Tribaloy T-800 <sup>®</sup> (Hydrogen Fuel Only)<br>Intermetallic Cobalt Alloy |
| JK <sup>®</sup> 558P                            | Tribaloy <sup>®</sup> T-800 (Propylene Fuel Use)<br>Intermetallic Cobalt Alloy |

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| <b><u>JK<sup>®</sup> POWDER DESIGNATION</u></b> | <b><u>DESCRIPTION</u></b>                                 |
|---|---|
| JK <sup>®</sup> 559                             | Tribaloy <sup>®</sup> T-900<br>Intermetallic Cobalt Alloy |
| JK <sup>®</sup> 571                             | Stellite <sup>®</sup> 21                                  |
| JK <sup>®</sup> 572                             | Stellite <sup>®</sup> 12                                  |
| JK <sup>®</sup> 573                             | Stellite <sup>®</sup> 31                                  |
| JK <sup>®</sup> 574                             | Stellite <sup>®</sup> 1113                                |
| JK <sup>®</sup> 575                             | Stellite <sup>®</sup> 1                                   |
| JK <sup>®</sup> 576                             | Stellite <sup>®</sup> 6                                   |
| JK <sup>®</sup> 577                             | Stellite <sup>®</sup> S/F 6                               |
| JK <sup>®</sup> 579                             | Stellite <sup>®</sup> 25                                  |
| JK <sup>®</sup> 584                             | Deloro <sup>®</sup> 40                                    |
| JK <sup>®</sup> 585                             | Deloro <sup>®</sup> 50                                    |
| JK <sup>®</sup> 586                             | Deloro <sup>®</sup> 60                                    |
| JK <sup>®</sup> 587                             | Deloro <sup>®</sup> 75                                    |
| JK <sup>®</sup> 588                             | Deloro <sup>®</sup> 80                                    |
| JK <sup>®</sup> 590                             | Nistelle <sup>®</sup> B                                   |
| JK <sup>®</sup> 591H                            | Nistelle <sup>®</sup> C (Hydrogen Fuel Only)              |
| JK <sup>®</sup> 591P                            | Nistelle <sup>®</sup> C (Propylene Fuel Use)              |
| JK <sup>®</sup> 592                             | Nistelle <sup>®</sup> D                                   |
| JK <sup>®</sup> 594                             | Nistelle <sup>®</sup> C-4C                                |
| JK <sup>®</sup> 596                             | Nistelle <sup>®</sup> 26                                  |

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| <b><u>JK<sup>®</sup> POWDER DESIGNATION</u></b> | <b><u>DESCRIPTION</u></b>                           |
|---|---|
| JK <sup>®</sup> 598                             | 80% Nickel/20% Chromium                             |
| JK <sup>®</sup> 625                             | Nistelle <sup>®</sup> 625<br>Nickel Base Superalloy |
| JK <sup>®</sup> 706                             | Stellite <sup>®</sup> 706                           |
| JK <sup>®</sup> 712                             | Stellite <sup>®</sup> 712                           |
| JK <sup>®</sup> 718                             | Nistelle <sup>®</sup> 718<br>Nickel Base Superalloy |
| JK <sup>®</sup> 6153                            | 50% Tungsten Carbide/50% Deloro 50                  |
| JK <sup>®</sup> 6189                            | 90% Tungsten Carbide/10% Nickel                     |
| Alloy 6751                                      | Ultimet <sup>®</sup> (Use Hydrogen Fuel Only)       |
| Alloy 6763                                      | Ni <sub>3</sub> Al – Nickel Aluminide               |
| Alloy 6754                                      | Super Nistelle <sup>®</sup> C                       |

Stellite Coatings may elect to alter the above powder compositions as necessary to improve the coatings produced by the JET KOTE<sup>®</sup> thermal spray systems.

These powders may also be used with other thermal spray techniques, such as plasma spray and other HVOF devices. Please consult a Stellite representative on additional uses of these powders.

Additional powder compositions or sizes may be available or manufactured by request.

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**STELLITE COATINGS**

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