

## ADDITIONAL COATINGS

The following list includes an abbreviated list of additional coatings that are available. Although this list is not all inclusive, it does cover the majority of available coatings.

These lists of coating are for reference only. Please contact JMS's Engineering Department for application assistance. Our qualified staff will help you select the best coating for your application.

### COATING DESIGNATION

### NOMINAL CONSTITUENTS

#### PLASMA SPRAY

USSE-120-P	Nickel
USSE-245-P	Nickel-Aluminum
USSE-247-P	Nickel-Graphite
USSE-255-P	Nickel-Chrome
USSE-420-P	Chrome Carbide-Ni Chrome
USSE-446-P	Tungsten Carbide-9 Cobalt
USSE-456-P	Tungsten Carbide-12 Cobalt
USSE-461-P	Tungsten Carbide-17 Cobalt
USSE-476-P	Tungsten Carbide-Cobalt-Chrome
USSE-610-P	Titanium Dioxide
USSE-615-P	Chrome Oxide
USSE-616-P	Chrome Oxide
USSE-680-P	Zirconium Dioxide-Calcium Oxide
USSE-701-P	Aluminum Oxide-40 Titanium Dioxide Ceramlon

#### THERMAL HVOF COMBUSTION SPRAY

USSE-234-M	403 Stainless Steel
USSE-236-M	316 Stainless Steel
USSE-242-M	420 Stainless Steel
USSE-259-M	Nickel-Chrome
USSE-450-M	WC-1Z Co
USSE-460-M	WC-17 Co
USSE-463-M	Tungsten Carbide-Chrome Carbide-10 Nickel
USSE-481-M	TiC-60-Ni

#### WIRE TORCH

USSE-101-W	Aluminum
USSE-122-W	Nickel
USSE-125-W	Zinc
USSE-208-W	Bronze
USSE-209-W	Aluminum-Bronze

TEMPERATURE COLOR SCALE*		
Color	°F	°C
Black Heat	800 - 900	430 - 480
Faint Red	900 - 1050	480 - 570
Blood Red	1050 - 1170	570 - 630
Dark Cherry Red	1170 - 1240	630 - 670
Medium Cherry Red	1240 - 1370	670 - 740
Cherry or Dull Red	1370 - 1540	740 - 840
Bright Red	1540 - 1650	840 - 900
Red-Orange	1650 - 1730	900 - 940
Orange	1730 - 1810	940 - 990
Lemon Yellow	1810 - 1880	990 - 1080
Light Yellow	1880 - 2190	1080 - 1200
White	2190 & above	1200 & above

\*Observations made in a relatively dark place with no eye-shades. Observations in lighter areas will tend to shift temperatures higher.