

## Thermospray Technology: Multi-Chamber Detonation Spraying (MCDS)

POWDER	CUT	VELOCITY	D.E.	SPRAY RATE
WC-based powders	-30+10 $\mu\text{m}$ -25+5 $\mu\text{m}$	600 - 800 m/s	80-90%	1,2 kg/h max
CrC-based powders	-25+5 $\mu\text{m}$	600 m/s	70-80%	1.2 kg/h max
Al <sub>2</sub> O <sub>3</sub> – based powders	-20+5 $\mu\text{m}$	600 m/s	70-80%	1.2 kg/h max
ZrB <sub>2</sub> -MoSi <sub>2</sub> – based powders	-15+5 $\mu\text{m}$	1000-1200 m/s	50-60%	0.6 kg/h max
ZrSiO <sub>4</sub> - based powders	-20+5 $\mu\text{m}$	1000-1200 m/s	60-70%	0.8 kg/h max
Metal (Ti,Ni,Cr,Mo,Cu...) – base powders	-45+5 $\mu\text{m}$	800-1000 m/s	80-90%	2-3 kg/h max