

Material product flyer Electric Arc and Combustion Wire Product Portfolio

Oerlikon Metco, with 75 years of thermal spray experience, has the the most extensive portfolio of wire materials for thermal spray in the industry. This, in combination with our leadership in the design of thermal spray equipment, distinguishes us as a highly respected resource that can provide our customers with professional support and quality products for every aspect of the thermal spray process.

Our many years of experience as well as the thousands of tons of wire materials we have supplied gives us the know-how and the confidence that we can provide our customers with the best qualified wires available. High quality standards, as evidenced by our ISO 9001, ISO 14.919 and Nadcap quality system certifications, ensures our products meet stringent requirements, with excellent reliability and lot-to-lot consistency.

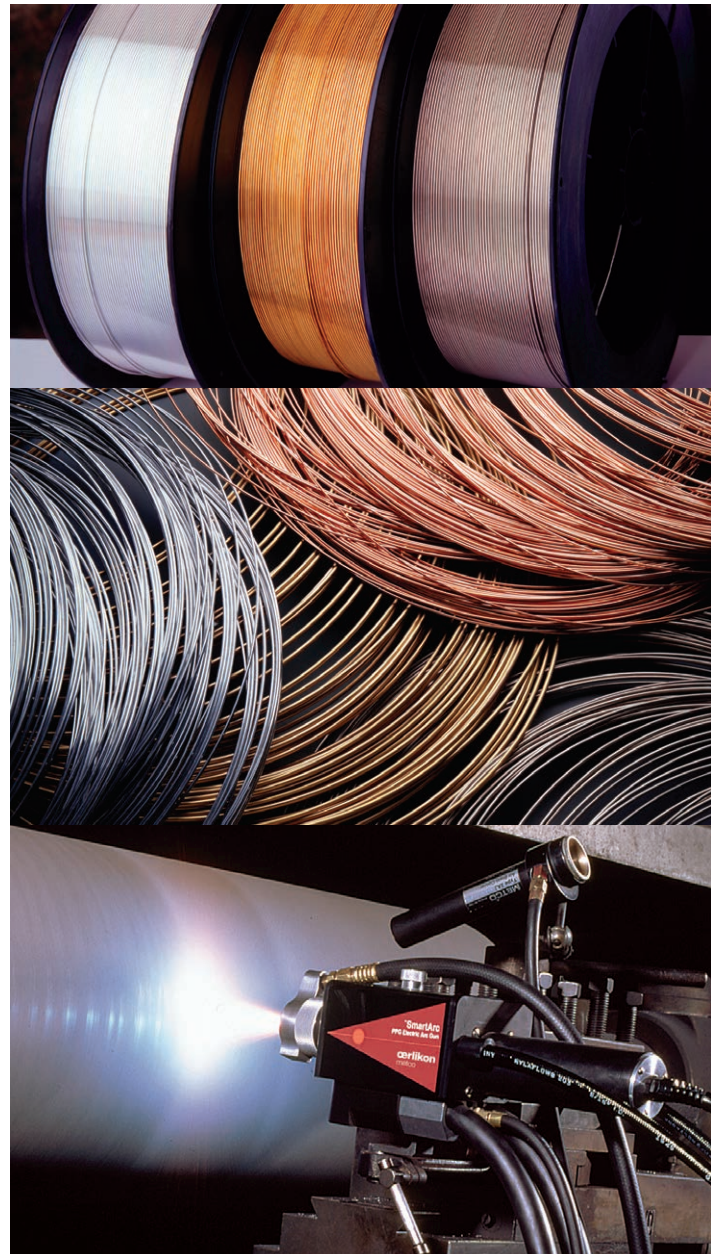
It's no wonder that so many thermal spray users around the world trust Oerlikon Metco for their wire materials. Our products, used in hundreds of different applications and for a wide range of surface solutions, have reduced maintenance costs, increased functionality, and added value to our customers' products.

Furthermore, as a leading developer and manufacturer of thermal spray equipment, our customers know they can rely on us for expert support and quality service.

Whatever your wire material requirements, we have little doubt we have, or can develop, a solution perfectly suited to your needs. The scope of our material offerings for the Combustion Wire Thermospray™ and the Electric Arc Wire processes includes wire materials for:

- Corrosion control
- Wear resistance
- Machine element repair
- Bond coats for other coatings
- Electrical conductance
- Decorative surfaces
- ... And much more!

In addition, we offer pre-coating preparation materials such as grits and maskants. Our post-coating sealers have been



specifically developed for thermal spray coatings, to enhance their properties and longevity.

Whether your thermal spray wire material needs are large or small, you can depend on Oerlikon Metco to deliver quality products that perform.

Product	Nominal chemistry	Form	Available wire diameters									Process	
			15 ga	14 ga	2.0 mm	11 ga	2.5 mm	3.0 mm	1/8 in	4.0 mm	3/16 in		
Aluminum based													
Metco Aluminum	Al 99+	●	●	●	●	●	●	●	●	●	●	●	⚡ 🔥
Metco AlMg	Al 5Mg	●				●							⚡
Metco SF Aluminum	Al 6Si	●		●					●				⚡ 🔥
Metco SF-NS Aluminum	Al 6Si	●							●				🔥
Metco 8234	Al 12Si	●		●									⚡
Copper based													
Metco Copper	Cu 99.8+	●		●					●				⚡ 🔥
Sprabronze AB	Cu 8Al	●		●									⚡
Sprabronze AA	Cu 9Al 1Fe	●		●					●				⚡ 🔥
Sprabronze S	Cu 6Sn	●		●									⚡
Metco Brass	Cu 37Zn	●		●									⚡
Sprabronze	Cu 40Zn 1Fe 1Sn	●							●				🔥
Iron based													
Metco 8235	Fe 5.5Al 2C 0.8Mn	⊙		●									⚡
Sprasteel 100	Fe 1.5C 1.22Cr	●		●									⚡
Metcoloy 2	Fe 13Cr 0.5Mn 0.5Ni 0.25Si	●		●	●	●			●		●		⚡ 🔥
Metcoloy 4	Fe 17Cr 12Ni 2.5Mo 2Mn 1Si 0.08C	●		●					●				⚡ 🔥
Metco 8238	Fe 17Cr 3Ti 1.5Mn 1.3Si	⊙		●									⚡
Metcoloy 5	Fe 18Cr 8.5Mn 5Ni 1Si 0.15C	●		●					●		●		⚡ 🔥
Metcoloy 1	Fe 18Cr 8Ni 2Mn 0.75Si 0.08C	●							●		●		🔥
Metco 8236	Fe 25Cr 5Al 0.25C 0.25Si	●		●									⚡
Metco 8295	Fe 27.5Cr 3.7B 1.7Mn 1.6Si	⊙		●									⚡
Metco 8222	Fe 28Cr 5C 1Mn	⊙		●									⚡
Metco 8237	Fe 28Cr 5C 5B 0.6Si 0.3Mn	⊙		●									⚡

● Solid Wire (alloyed or pure metal) ⊙ Cored Wire ⚡ Electric Arc Wire 🔥 Combustion Wire Thermospray

Product	Nominal chemistry	Form	Available wire diameters							Process	
			15 ga	14 ga	2.0 mm	11 ga	2.5 mm	3.0 mm	1/8 in		4.0 mm
Sprasteel 80	Fe 0.7Mn 0.8C	●	●	●				●			⚡ 🔥
Metco 8230	Fe 0.8Mn 0.2Si 0.15C	⊙	●								⚡
Sprasteel 11	Fe 1.63Mn 1Si 0.07C	●	●								⚡
Metco 8223	Fe 21Mo 2C 1B	⊙	●								⚡
Metco X28	Fe 31Ni 27Cr 4Mo 1.75Mn 1.1Cu	●	●								⚡
Metco X10	Fe 34Ni 20Cr 2Si	●	●								⚡
Metco 8297	Fe 26WC 13Cr 6TiC 6Ni 2B 1Si	⊙	●								⚡
Nickel based											
Metco Nickel	Ni 99.0+	●	●					●			⚡ 🔥
Metco 8400	Ni 5Al	●	●								⚡
Metco 8401	Ni 5Al	●	●								⚡
Metco 8447	Ni 5.5Al 5Mo	⊙	●								⚡
Metco 405-1	Ni 20Al	⊙						●			🔥
Metco 405NS	Ni 20Al	⊙						●			🔥
Metco 8405	Ni 20Al	⊙	●								⚡
Metco 8443	Ni 18Cr 6Al 2Mn	⊙	●								⚡
Metco 8450	Ni 20Cr	●	●								⚡
Metco 8622	Ni 21Cr 14Mo 3W 2.5Fe	●	●								⚡
Metco 8625	Ni 21Cr 9Mo 4(Ta+Nb)	●	●								⚡
Metco 8500	Ni 45Cr	●	●								⚡
Metco 8452	Ni 50Cr	⊙	●								⚡
Metco NiCu (Monel)	Ni 30Cu	●	●					●			⚡ 🔥
Metcoloy 33	Ni 22.5Fe 16Cr 1.5Si	●						●			🔥
Metco 470 AW	Ni 25Fe 15Cr	●	●								⚡
Metco 8276 (Hastelloy C276)	Ni 16Mo 15Cr 6Fe 4W 0.5Mn 0.2Co	⊙	●								⚡
Metco 8448	Ni 3Ti	●	●								⚡

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			15 ga	14 ga	2.0 mm	11 ga	2.5 mm	3.0 mm	1/8 in	4.0 mm	3/16 in	
Silver based												
Metco Silver	Ag 99.95+	●	●		●							⚡ 🔥
Silvaloy	30Ag 38Cu 32Zn	●								●		🔥
Metco Silverloy	30 Ag 38Cu 32Zn	●		●	●				●			⚡ 🔥
Tin based												
Metco Tin	Sn 99.9+	●							●			⚡ 🔥
Sprababbitt A	Sn 7.5Sb 3.5Cu 0.25Pb	●		●		●		●		●		⚡ 🔥
Tungsten Carbide based												
WokaDur NiE-Tube	W2CWC 45Ni 1.8B	⊙		●								⚡
Zinc based												
Metco Zinc	Zn 99.9+	●	●	●	●	●	●	●	●	●		⚡ 🔥
Metco ZnAl	Zn 15Al	●		●	●		●	●	●			⚡ 🔥

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