

WokaDur welding products for hardfacing applications

Oerlikon Metco specializes in surface solutions for use in many industries. Through our comprehensive knowledge of wear and corrosion mechanisms in industrial environments, we provide effective solutions tailored for each application. To equip our customers with the best solution for their wear control application, we employ processes that include thermal spray, thin film, and hardface welding technologies. Our WokaDur™ portfolio of hardface welding products produce overlay solutions that resist extreme wear in the harshest environments.

Applications for Oerlikon Metco welding products

Oerlikon Metco's WokaDur oxyacetylene and arc welding products produce hardface overlays with excellent wear, impact and corrosion resistance that are compatible with most steel and cast steel substrates. The diverse industries that benefit from these products include:

- Oil and gas
- Tunneling
- Foundries
- Agricultural
- Mining
- Construction
- Material handling
- Wood processing

Oxyacetylene welding products

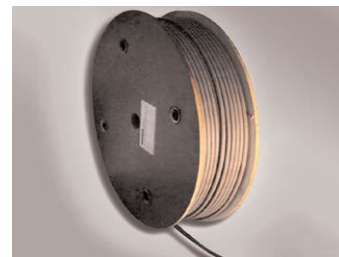
- Welding rods (rigid and flexible)
- Composite rods with hard carbide additives

Arc welding products

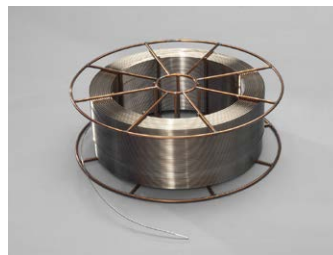
- Cored wires
- Stick electrodes
- Sintered electrodes
- Welding powders



Composite welding rod for oxyacetylene welding



Flexible welding rod for oxyacetylene welding



Wire for MIG welding



Sintered and/or dipped electrodes for manual arc and TIG welding

Quality you can trust

- Reproducible and consistent product quality
- Classification and qualification of products to existing hardfacing standards (API, AWS, DIN, etc.) as well as customer specifications
- Tightly controlled particle size distributions with carbide grain sizes designed for customer-specific applications
- Quality management system certified in accordance with DIN EN ISO 9001:2008 and EN 9100:2009 Aerospace Management System

Oerlikon Metco support services

- Extensive material testing laboratories
- Application laboratory for optimization, development and research of new materials
- Tested welding parameters and support
- Joint development of materials for specific applications using PTA, laser cladding, MIG, manual arc and oxy-acetylene processes
- Technical support and hands-on training, at our facilities or yours
- Products are readily available when you need them