

FR82 NXT®

Next Generation Flexible Hardfacing Cord

BMI FR82 NXT® flexible hardfacing cord is a nickel-core flexible electrode coated with a thick NiCrBSi alloy layer incorporating crushed and sintered tungsten carbides.

Designed for oxy-acetylene torch application (torch brazing process), the product is supplied as a flexible rod, ensuring easy handling and suitability for hardfacing, maintenance and wear protection operations.

PROPERTIES & APPLICATIONS

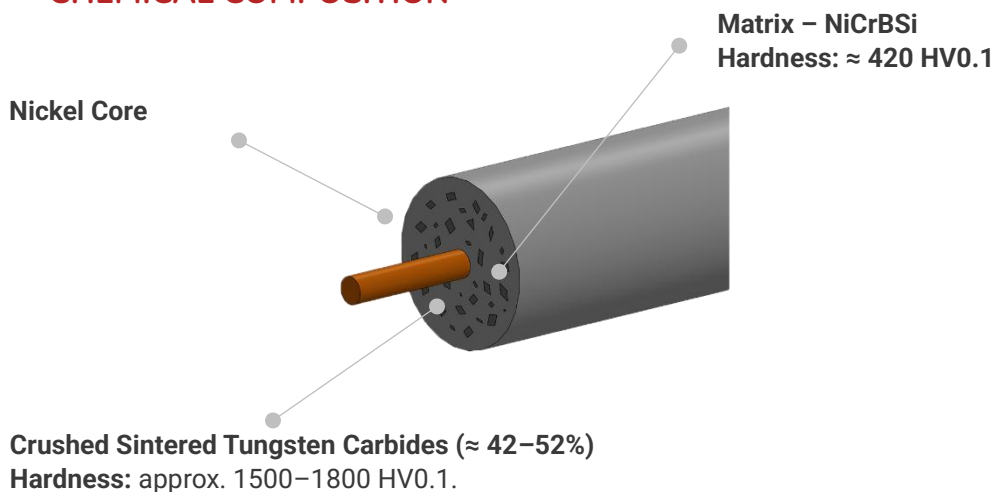
The deposited alloy combines crushed sintered tungsten carbides with a self-fluxing nickel matrix, providing an optimized balance between abrasion resistance and chemical resistance.

The deposit achieves delivers excellent wear resistance in severe service conditions, together with good corrosion resistance. Its metallurgical structure allows homogeneous multi-layer deposits with excellent wettability and optimal bonding to the substrate.

FR82 NXT® is suitable for hardfacing cast irons and steels (ferritic and austenitic grades), especially on components exposed to severe abrasion such as mixer blades, screw conveyors, crushers, slurry pumps and drilling components.

As a cost-effective next-generation solution, FR82 NXT® offers a high-performance alternative to standard FR82 cords for conventional industrial wear applications.

CHEMICAL COMPOSITION



PARTICLE SIZE DISTRIBUTION

Product Code	8207 NXT		
Secondary Particle Size	-		
Main Particle Size	250 – 700 µm		
Diameter (mm)	5	6	8

PACKAGING

Plastic spools available in 10, 15 and 20 kg.