



Nickel-Based Powders - WC (Tungsten Carbide)

BMI® WP hardfacing powders stand out for their **high purity level** and **strict granulometry control**, ensuring **optimal performance and quality**.

PROPERTIES & APPLICATIONS

Available in a **hardness range from 16 to 60 HRC**, BMI® WP protective powders are designed for all **preventive anti-abrasion and anti-corrosion applications**. They cover a **wide range of uses**.

Conditions of Use:

Spray Techniques: Flame spraying, Arc spray, Arc Plasma.

Simultaneous Spraying and Fusing.

Used as a Bonding Underlayer before hardfacing with BMI FR82® and FR92® cords.

CHEMICAL COMPOSITION

Base Powders

References	B	Si	C (Max)	Cr	Mo	Fe	Ni	Hardness HRc	C° Melting Temperature	Density (Kg/dm³)	Packaging (Kg)
BMI-W-P 2010	0 to 5	0 to 5	0.8	2 to 6	0 to 5	0 to 4	Reste	16 to 23	1070	8.6	1-5
BMI-W-P 3010	0 to 5	0 to 5	0.8	5 to 8	0 to 5	0 to 4	Reste	26 to 31	1050	8.4	1-5
BMI-W-P 4010	0 to 5	0 to 5	0.8	5 to 8	0 to 5	0 to 4	Reste	33 to 40	1087	8.2	1-5
BMI-W-P 6010	0 to 5	0 to 5	0.8	10 to 16	0 to 5	0 to 4	Reste	55 to 60	1017	7.8	1-5

Mixed Powders

References	Granulometry	% Powders	% Carbides	Packaging (Kg)
BMI-W-P 6210	20-150 µmm	80	20	1-5
BMI-W-P 6351	20-150 µmm	60	40	1-5
BMI-W-P 6410	20-150 µmm	50	50	1-5
BMI-W-P 6510	20-150 µmm	45	55	1-5
BMI-W-P 6515	20-150 µmm	40	60	1-5

Groupe BMI

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