

WSR COATING

Old vs. New Comparison

WSR (weld spatter resistant) Coating – Your advantage of the improved coating

Reason of improvement

- Improving of coating process even more powerful results
- Less stress for coated material
- Higher hardness = higher wear resistance
- Higher temperature resistance
- Implementing of two layer architecture for higher performance

Benefit for customer

- Longer lifecycle
- Higher wear resistance
- Higher welding spatter resistance
- even greater process reliability
- same color (grey) & base composition (AlCrN)
→ No data changes required and does not lead to any confusion by the workers



Properties	Old WSR	New WSR
Composition	AlCrN-based	AlCrN-based
Color	Grey	Grey
Hardness [HV]	3200	4000
Thickness [µm]	0.2 – 1.0	4±2
Surface roughness Rz [µm]	<1	<1
Compressive stress [GPa]	-4.5	-3.5 +/- 1
Architecture	Monolayer	Two layer
Coating process	PVD	PVD
Coating material	EN 1.2379	EN 1.2379

Experience the higher quality which lead into longer life cycle without any price change