

# HanneSpray-W



<b>Cover Type:</b>	Carbide	
<b>Possible applications:</b>	<p>Rollers needing a very hard surface (up to 1100 HV)</p> <p>Replacement of chromium plating covers with improved hardness and lifetime</p> <p>Metal industry - steel strip production and coating : detour, bridle and tensioning rollers on different process lines, rollers in annealing furnaces up to 500 °C - support rollers in slab casting and hot rolling processes</p> <p>Plastic film, packaging and conversion industry : lamination and embossing rollers, calender rolls, chill rolls, heated rolls, conveyor rollers, stretching and deflector rollers - smooth and rough finish - replacement of chromium plating</p>	
<b>Hardness Range:</b>	1100 Vickers	
<b>Recommended Cover Thickness:</b>	min. 50 µm - max. 1000 µm	
<b>Temperature resistance:</b>	Dry:	continuous 500°C
<b>Properties and advantages:</b>	<p>Very hard surface coating (hardness up to 1100 HV) obtained by HVOF thermal spray technology</p> <p>Standard as-sprayed surface roughness, Ra : 6 ± 1 µm</p> <p>Possible to obtain polished surface or even mirror-aspect (lowest Ra = 0,05 µm)</p> <p>Porosity rate around 3 % - not recommended in corrosive environment</p>	
<b>Specific characteristics:</b>	Bonding strength:	> 75 MPa
	Surface roughness (Ra):	min. 0.05 µm - max. 10 µm