



LISTEMANN

perfecting materials

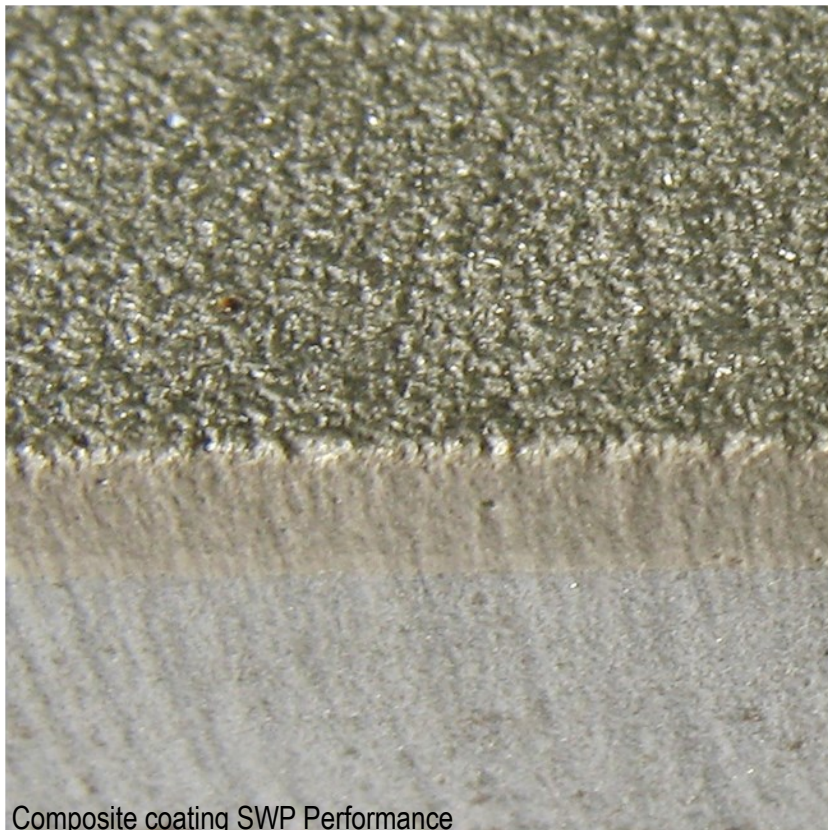
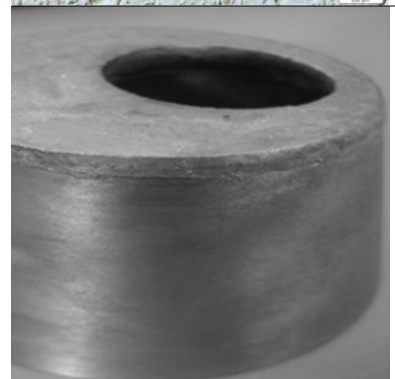
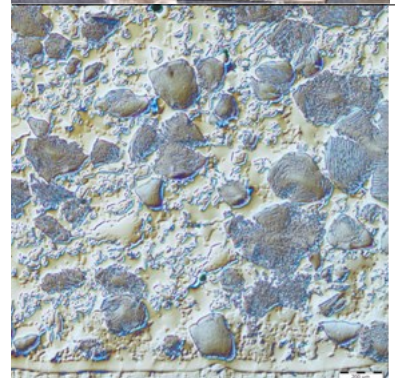
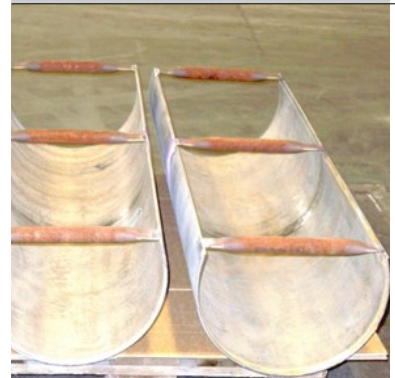
SWP - Sintered Wear Parts

From prototype to serial production

Dense vacuum sintered composite components against heavy wear attack.

Heat Treatment
Sintering
Brazing
Thermal Spraying
Electron Beam Welding

Engineering



Composite coating SWP Performance

Superior wear protection for long-lasting service time

Competence:

Listemann is a leading service-contractor in Europe for thermal processing technologies. Using powders with a high content of hard particles and processing in vacuum furnaces semi-finished and ready-to-use components with a dense sintered, smooth and crack-free protective coating against wear can be fabricated.

Customer benefit:

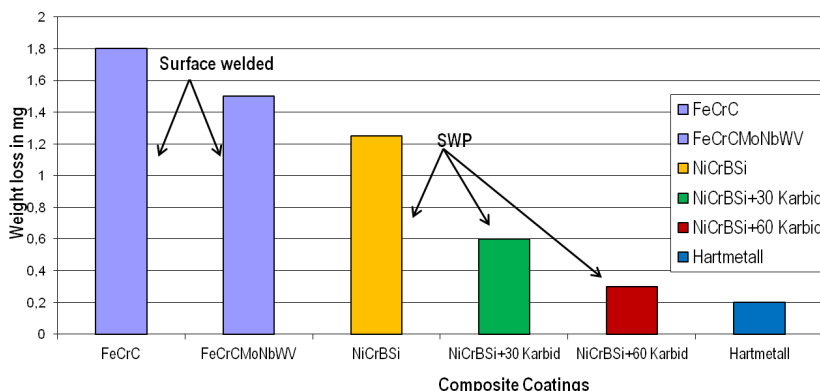
Superior wear protection for long-lasting service time, with application optimized coating hardness, ranging from 700 to 1800 HV. Base body and coating are joined metallurgical to each other. Composite components can be assembled by welding or screwing. Machining to final dimensions can be arranged.

Advantages:

- High wear and corrosion resistance
- Smooth and crack-free surfaces
- Coating thickness starting with 1,5mm; Standard 2, 3 und 4mm; larger thicknesses on request
- Low-priced base materials St37 or St52 possible and recommended; other base materials on request

Applications:

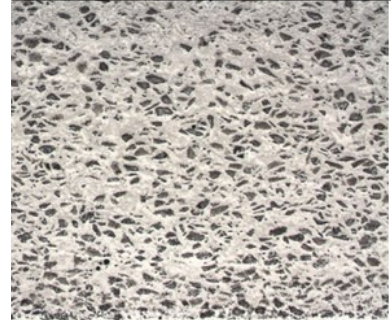
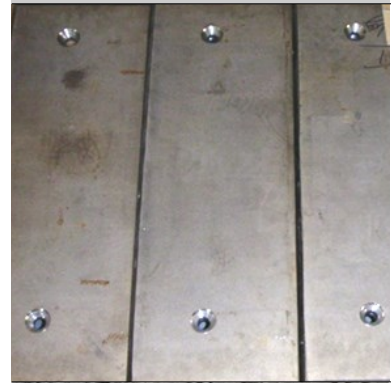
- Ventilators, containers, slides
- Ducts, mixing- and grinding elements, stirrers, centrifuges
- Granulators, transverse baffles, crash plates, sieves
- Armour plates, anti-drilling protection, vault walls



Our services:

- Consultation in materials selection, quality and fabrication
- Supply of wear plates for further processing and assembling at customers sites
- Toll coating of components
- On request final machining

Broad product range, from single plates to semi-finished or finally machined parts for local or large-area wear protection with application oriented coating design and properties.



30% carbide content

100 µm



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