



Surfit™ Powder solutions for superb laser cladding

The leap forward with laser cladding technique in the ability to achieve precise thickness control and high deposition efficiencies must be matched with a superb powder consumable.

High quality Surfit™ products ensure higher density laser coating with better corrosion and wear protection.

Spherical satellite free particles is a key feature of the Surfit products. Free flow in all powder feeding systems is enhanced. Cost effective gravity feeding systems gain considerably and achieve consistent high productivity.

Features

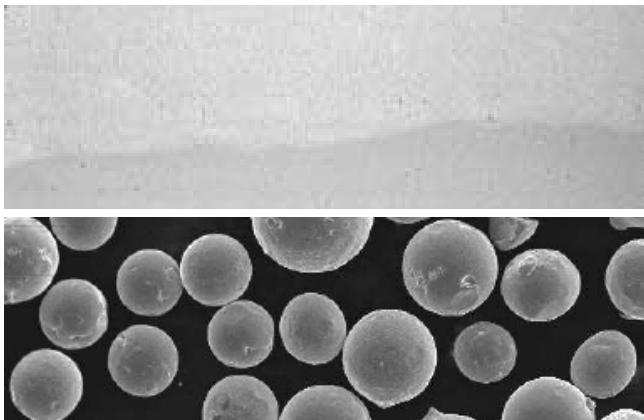
- Spherical satellite free particles.
- Low oxygen.
- Smooth powder flow.
- Consistency between lots.
- Precise coating thickness control.
- High deposition efficiency.
- Fully dense coating.
- Low heat to substrate transfer with <5% dilution.



	Typical Hardness* HV ₃₀	Typical Hardness* HRC	Alloy Base	Solidus °C	Liquidus °C
Surfit™ 1550	>540	>52	Ni	1000	1110
Surfit™ 1560	>720	>61	Ni	970	1200
Surfit™ 2537	>400	>41	Co	1275	1375
Surfit™ 2541	>440	>44	Co	1280	1315
Surfit™ 316L	>160		Fe	1375	1430

Some popular grades from the large Höganäs materials range.

*Typical when PTA welded / 5%-10% higher with laser cladding



The signature of quality

The perfect bond when high quality Surfit™ and laser cladding give you the best of both worlds.

The high wear, corrosion and heat resistant properties of the alloy reach a new level with fully dense laser surfaces.

The high deposition efficiency, >80%, combined with thin coating ensures a cost effective powder use.

