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Is Carbinite a Spray Weld?

No, absolutely not. Carbinite is applied using a unique process known as electrofusion. Spray welds cannot achieve the strength of bond that we get with electrofusion.

Can Carbinite be applied to heat-treated steels?

Yes, Carbinite works best on hardened tool steels. Carbinite will actually last longer and will stay sharper on hardened material.

Can Carbinite be masked?

Yes, Since Carbinite is not a spray process it is easy for us to apply it only where it is wanted. We use a special tape for masking that has high heat resistance and high dielectric strength.

How thick can Carbinite be applied?

Carbinite should not be used as a smooth surface build-up like hard chroming unless you only need about .0008". Carbinite can be applied up to .017" thick but will not be smooth.

Is Carbinite available in custom grades?

Yes, Carbinite is infinitely adjustable. Grades between our five standard grades are available.

Can Carbinite be applied to aluminum?

Yes, Carbinite can be applied to some aluminum alloys such as 6061 and 7075. Due to the vast differences in melting point between aluminum and carbide, the bond is not as strong as the bond that we can get on steel. We have many customers that had Carbinite applied to machinable aluminum vise jaws with great results.

FAQ

How large of a part can be coated?

Because we do not need a chamber we can coat almost any size part. We can even coat on-site when necessary.

Does Carbinite make spray-type coatings obsolete?

No, spray coatings will always have their place and applications, in particular when a very large area needs to be coated and bond strength is not that critical.
