



Do's and Don't's

Dear customer,

You have brought one or more car cylinders to us to have them plated with a **PowerSeal® NiKaSil coating**. We thank you for that.

We would like to identify some important considerations regarding our service and explain exactly what PowerSeal does and does not do.

This is necessary because we can provide car engines with a coating but do not perform an "overhaul".

PowerSeal provides your cylinders with a **PowerSeal® NiKaSil coating** and thus restores the condition of your damaged or worn cylinders. By applying the coating we do not rectify the cause of the cylinder problems, but only the result. We cannot be held responsible for further problems with the block.

You are responsible for installing the correct pistons and the correct piston rings. Unfortunately, we do not know the hardness of your piston rings and cannot be responsible for the coating on them. We prefer that you use the **Titanium-nitride coating** applied to new piston rings as recommended by us. Years of experience has shown that the combination of **Titanium-nitride coating** and the **PowerSeal® NiKaSil coating** reduce "non-pairing" and potential problems of your pistons with the **PowerSeal® NiKaSil coating** and often even completely eliminate them. Incompatibility of the piston rings with the **PowerSeal® NiKaSil coating** cannot be attributed to PowerSeal. You must also confirm the correct piston and ring clearance and tolerance.

Below are some items that you need to know and which steps you need to follow before PowerSeal can accept and handle a car block. These items apply to multi-cylinders and single car cylinders made of aluminum or cast iron.

1. In most cases, your car cylinder bore is not coated with NiKaSil, but a different factory applied coating which has a completely different composition than the **PowerSeal® NiKaSil Coating**. That is why adjustments must be made to piston rings and possible pistons. Some examples of names used by manufacturers are Alusil, Biral, Ferral, Chromal etc.
2. PowerSeal guarantees only the adhesion of the layer for 3 months.
3. Piston rings must be suitable for the **PowerSeal® NiKaSil coating**.
4. If blocks are originally provided with a coating other than **PowerSeal® NiKaSil coating**, you should take this into consideration, with preparing piston clearance and the type of piston rings. These cylinders must also be pre-honed before the **PowerSeal® NiKaSil coating** can be applied.
5. We cannot be responsible for incompatibility of piston rings with the **PowerSeal® NiKaSil coating**.
6. Applying **Titanium-nitride coating** to the piston rings is strongly recommended by PowerSeal.
7. PowerSeal does not guarantee against stripes and "non-pairing" or traces of this.
8. Verification of the final size or piston clearance is the responsibility of the customer.
9. Delivery terms are provided to you in advance.