Trusted by the professionals - Ninemeister, independent Porsche specialists

Independent Porsche specialist Ninemeister is renowned around the world for its stunning 9m Unique® creations including the 9mRS Clubsport range and bespoke 9m93 Speedsters. Its discerning clients trust Ninemeister to produce individual supercars that incorporate the best of everything.

Built for Life

Professional restorers and preparation specialists such as Ninemeister rely upon robust and effective rust removal and prevention technologies; their reputation depends upon it. That's why Ninemeister not only trust SPL to clean but also to arrange for components, ensuring they have best starting point for any road or race build. "Our cars are built for life," says Ninemeister's Marc Clowes. "Preparation is key to this and we will do everything, at every stage to ensure this."

Cut time, never corners

Having tried blasting Ninemeister now entrusts corrosion removal to SPL, convinced that its immersion process is the only way. "Media blasting is just too aggressive on the panels," adds Clowes. "We had weeks of preparation afterwards too, making it simply uneconomic as well as ineffective." For Clowes, chemical cleaning offers more; "SPL's process is not just the shortest route to removing corrosion from a Porsche shell. We also achieve neater and stronger welds and don't get the fumes associated with welding through paint."

A perfect finish

Ninemeister's attention to detail is second to none and prior to painting the specialist goes beyond any preparation originally done at the Porsche factory.

"It's back to our built for life mantra," explains Clowes. "SPL e-coat the shells before we apply a series of primers and top coats. We seal all the welds and seams too. It's this attention to detail that makes the car worth more than the sum of its parts. And with SPL, it's a job well done."

SPL, it's a job well done."

A system to clean and protect

The SPL Chemical Immersion Cleaning process effectively removes paint, grease, oil, underseal, filler, anti-flutter, adhesives and the majority of all rust from panels, parts and complete bodyshells. With close to 3000 shells treated, it is widely accepted as the safe and trusted alternative to all types of media blasting. Once clean, SPL offers



advanced corrosion protection in the form of electrophoretic coating (or e-coating) to prevent its return.

911 rot spots

Despite the increasing use of galvanised steel, Porsches still rust. From the common sills & kidney bowls on 911s to the screen apertures & inner quarters of 964s & 993s. these cars can rot in a multitude of places all around the shell, making a fully immersive process even more appealing and more penetrative. Rust within the hidden recesses such as the 'C' pilliars in the 911 cannot be dealt with by conventional cleaning or blasting methods. With experience, and its proprietary immersive techniques, SPL can effectively identify and clean even hidden areas.

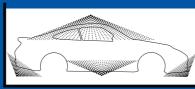




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The Cleaning and Protection Processes

Stage 1. Decontamination



Heavy organic coatings including underseal, filler, mastic sealants, anti-vibration materials adhesives are broken down using SPL's

advanced dehydration process.

Stage 2. Organic Material Removal



The remaining organic compounds such as paint, grease, oil and carbon are now removed in an alkaline hydrocarbon solution for prior to a water rinse.

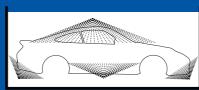
Stage 3. Rust Removal



Corrosion is now removed via immersion in a dilute solution of inhibited hydrochloric acid. Inhibitors prevent the acid from attacking 'good metal',

only breaking down the corrosion. Tilting the shell backand-forth within the solution improves penetration and helps displace air locks. SPL is happy to advise the best ways to attack inaccessible areas on even rare or unusual cars.

Stage 4. Passivation Rinse



An advanced agitated neutralisation alkaline and passivation immersion process follows. To Stage 3. Curing ensure maximum penetration, a neutralising preserva-

tive is applied by hand, into the seams and recesses leaving the shell bright and stable. SPL recommends the shell be weld repaired at this stage, before a repeat of stages 3 and 4 prior to electrophoretic coating.

The Electrophoretic or E-Coating System

E-coating is widely regarded as the best available anticorrosion primer paint for mild steel and is relied upon by nearly all today's car makers to offer corrosion resistance.

Stage 1. Pre-Treatment



A thorough eight step process covering cleaning, conditioning and phosphating. The cleaning process utilises varying strength alkaline

silicate solutions at 50°C to remove oil and grease followed by water rinses. Following a conditioner rinse, the shell is immersed in a bath of zinc, manganese and nickel (tri-cation) phosphate solution. Water rinses remove the excess phosphate solution and finally the shell is rinsed with demineralised water.

Stage 2. Electrophoretic Deposition



Next, the shell is fully immersed in a 33°C 55,000 litre PPG paint tank. Experience ensures a highly uniform paint film of between 22

μm and 28 μm with excellent bond strength is achieved as an electrical current of around 400 volts and 600 amps is passed through the shell. An Ultra Filtrate molecular resin solution rinse is then applied prior to curing.



The shell passes through a high temperature oven at 180°C for 45 minutes. This will cross-link the polymer resin allowing the coating to become

smooth and continuous. Crucially, the controlled heat drives out residual moisture from within the seams and box sections.