

PRO SERIES

METAL TREATMENT



Extended maintenance up to 4X longer



Surface appearance, conductivity, and function remain unaltered



Invisible at <10 nanometers



Water, dirt, and oil repellent



Over 10,000 treated assets deployed globally



Application engineered



Non-ozone depleting



Temperature resistant up to 305°F



Nonflammable formula

INNOVATIVE ASSET PROTECTION

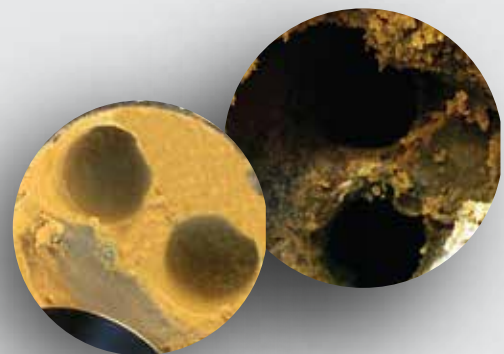
e9 Treatments offers a history of success treating metals to repel organic and inorganic materials in harsh environments. Surfaces treated with e9 Pro Series Metal Treatment are oleophobic and hydrophobic, abrasion and chemically resistant, and easy to clean. Our staff of application engineers consult with customers to offer streamlined implementation plans. Let our team of experts help you with your specific treatment needs.



VERSATILE APPLICATIONS

- ✓ STAINLESS STEEL
- ✓ INCONEL
- ✓ HASTELLOY
- ✓ TITANIUM
- ✓ ALUMINUM
- ✓ INDUSTRIAL MACHINERY
- ✓ CHEMICAL BLENDERS
- ✓ METERS
- ✓ VALVES

PROTECT ASSETS FROM FOULING



ADVANCED TECHNOLOGY

e9 Pro Series Metal Treatment utilizes nanotechnology to permanently change the molecular structure of the treated surface, minimizing the deposition caused by organic and inorganic contaminants.

PRO SERIES

PRODUCTS

e9 Pro Series Metal Treatments are designed to meet your application needs. The Pro Series is intended for the treatment of parts in environments with limited UV exposure and temperatures up to 305 F. Pro Series Metal Treatments dry immediately once applied (requiring no cure time) and are effective on both internal and external surfaces.



APPLICATION CAPABILITIES

	Dip	Flush	Wipe
Pro Performance	✓	✓	✓

FIELD TREATMENT KITS



Field treatment kits are designed for parts that require dipping in field service applications. The easy to carry kits are a perfect starter set and are available in two sizes.

Size	Accessories Included
5L	7.7L dip bucket, application wipes, Dyne pen, gloves
20L	19L dip bucket, application wipes, Dyne pen, gloves

TREATMENT TESTING

The Dyne pen test is considered the industry standard for assessing the ability of materials to bond to a treated surface. To demonstrate the effectiveness of an e9 Pro Series treated surface, use a Dyne pen to mark the surface. On a properly treated surface, the liquid from the Dyne pen will begin to bead up within seconds and start to disappear.



UNTREATED



TREATED

RECOMMENDED SURFACES

e9 Pro Series Metal Treatment can be applied to a wide range of metals including but not limited to those listed.

Stainless Steel	Galvanized Steel	Copper
Stainless Steel 316	Hastelloy	Bronze
Stainless Steel 304	Inconel	Silver
Stainless Steel 409	Aluminum	Nickel
Stainless Steel 410	Titanium	Gold
Stainless Steel 430	Brass	Zinc

METAL TREATMENT

TECHNOLOGY

e9 Pro Series Metal Treatments utilize nanotechnology to permanently change the molecular structure of the treated surface, making it unfavorable for buildup to adhere. Using nanoscale material, our engineers and scientists have a very large surface area to work with. When nanoscale materials are used as surface treatments, there is more contact with the surface area than with conventional coatings, creating a stronger bond.

PACKAGING

e9 Pro Metal Treatment is available in a variety of sizes to offer customers flexibility in selecting the size that best suits project needs.

Standard Sizes
1L
5L
20L
200L

ACCESSORIES

ACCESSORIES AVAILABLE FOR PURCHASE

Heavy duty concentrate cleaner	Optimized for cleaning parts to be treated with e9 Pro Metal Treatment
Easy pour faucets	Available for 20L & 200L containers only
Applicator wipes	Lint free wipes for metal treatment application
Gloves	PPE used to protect user and the integrity of the product
Dip buckets	Used to dip metal parts in field applications
Dyne pens	Tool for testing proper treatment application

SURFACE FREE ENERGY

TREATED VS UNTREATED

Surface	Untreated Dynes/cm	e9 Pro Series Treated Dynes/cm
Teflon*	18	N/A
Aluminum	30-50	16
Copper	30-50	15
Glass	65-100	16
Stainless Steel	40-60	13.5
Zinc	30-50	15

*Teflon is a known non-stick surface and is used as a reference

The information and recommendations relating to the application and end-use of these products are given in good faith based on current knowledge and experience with the products applied under normal conditions. In practice, differences in materials, substrates and actual site conditions are such that no warranty in respect to the merchantability or fitness of these products for a particular purpose, nor any liability arising out of any legal relationship whatsoever can be inferred from this information.

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e9 Treatments, Inc. | 159 Enterprise Parkway, Boerne, TX 78006
e9treatments.com | insidesales@e9treatments.com

