

NANOMYTE® SR-110EC

Durable, Easy-to-clean, Anti-fouling Coating



NANOMYTE® SR-110EC is a transparent, micron-thick coating that provides durable easy-to-clean and anti-fouling properties to surfaces. SR-110EC can be applied to plastics such as polycarbonate, PMMA, PET, polyurethane, epoxy, as well as metals such as stainless steel, aluminum, titanium, brass and chrome. The surface treatment is mechanically stable, is highly repellent to water and oils, and it enhances lubricity. By applying SR-110EC on the surface of components, soil and liquids simply slide off the surface, thereby helping prevent deposits and extending the time between cleanings.

NEI's SR-110EC coating is based on a patent-pending coating composition comprised of functionalized perfluoropolyethers (PFPEs). Although PFPEs are known for their non-stick and lubricating properties, it has been a major technical challenge to incorporate them into a stable formulation that can lead to a coating with sufficient adhesion to various substrates. NEI's SR-110EC formulation overcomes this stability issue. Additionally, while PFPE-based, easy-to-clean coatings currently on the market generally form very thin (< 100nm) coatings, SR-110EC coatings have a thickness of 2-5 microns, thereby creating a more mechanically stable coating that cannot easily be removed by abrasion, harsh cleaners, or chemicals.



FEATURES

- Clear coating solution resulting in a micron-thick transparent film
- Excellent adhesion with plastic, metallic and ceramic substrates
- Long shelf life
- Applied by dipping, spraying, roll or flow coating

BENEFITS

- Creates an easy-to-clean & anti-fouling surface
- Highly durable
- Imparts excellent stain-resisting properties
- Repels water, oils, ketones, and hydrocarbons
- Superior chemical resistance
- Creates a lubricating surface

SR-110EC is easy to use and is ideally suited for optical lenses, touch screen protectors, stainless steel appliances, hand rails, and faucets. The liquid coating solution can be applied by dipping, spraying, roll or flow coating and is available in liter and gallon quantities.



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