

Acid-proof Coating Agent

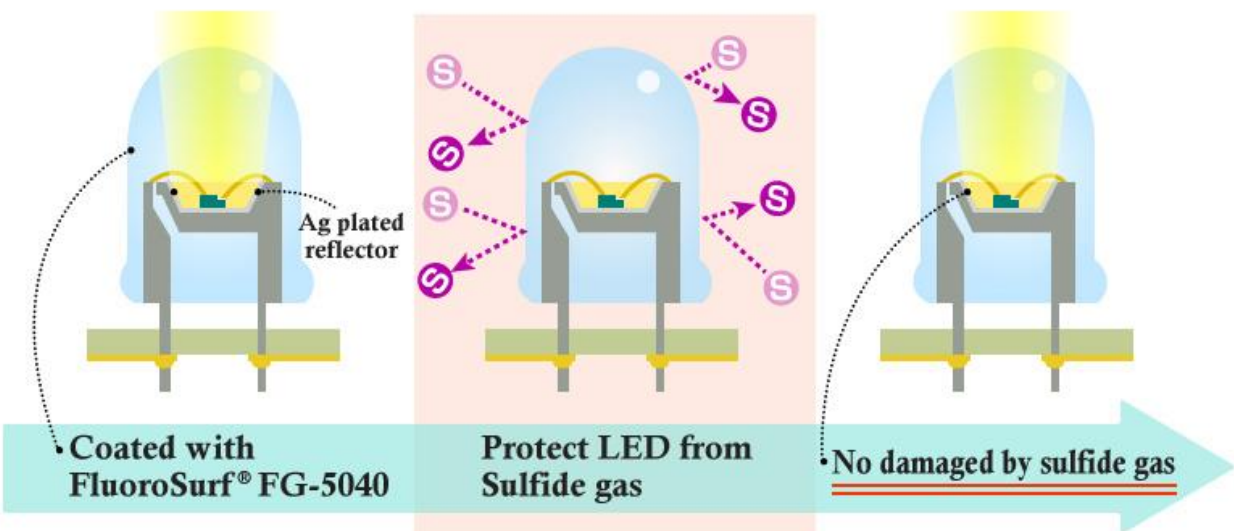
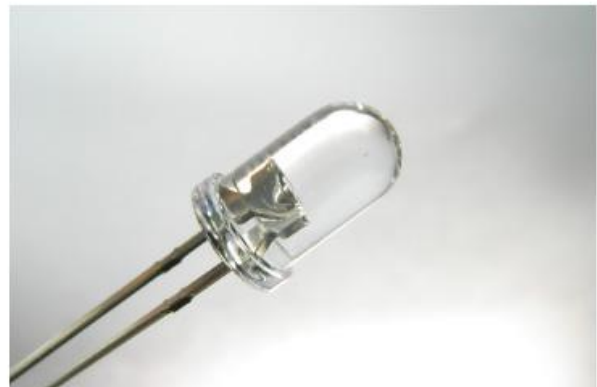
FLUOROSURF®

- Film of fluoride resin coating agent is chemically stable and has strong resistance against acid substances or acid electrolyte of lithium battery or others.
- It is effective for corrosion protection in acid atmosphere
- Low toxic non-flammable solvent ensures safe applications not subject to the PRTR and Fire Defense Laws.

Acid Proof Coating Applications

- * Coating to protect metal from corrosive gases
- * Coating to protect from lithium ion battery electrolyte
- * Corrosion prevention of metal components
- * Protection of battery metal components
- * Corrosion-proof coating of rechargeable battery electrode
- * Coating to protect metal from hydrogen sulfide gas
- * Sulfuration control in LED

The film of FLUOROSURF FG-5040 protects the reflector in LED from sulfide gas and can control decrease of luminance.



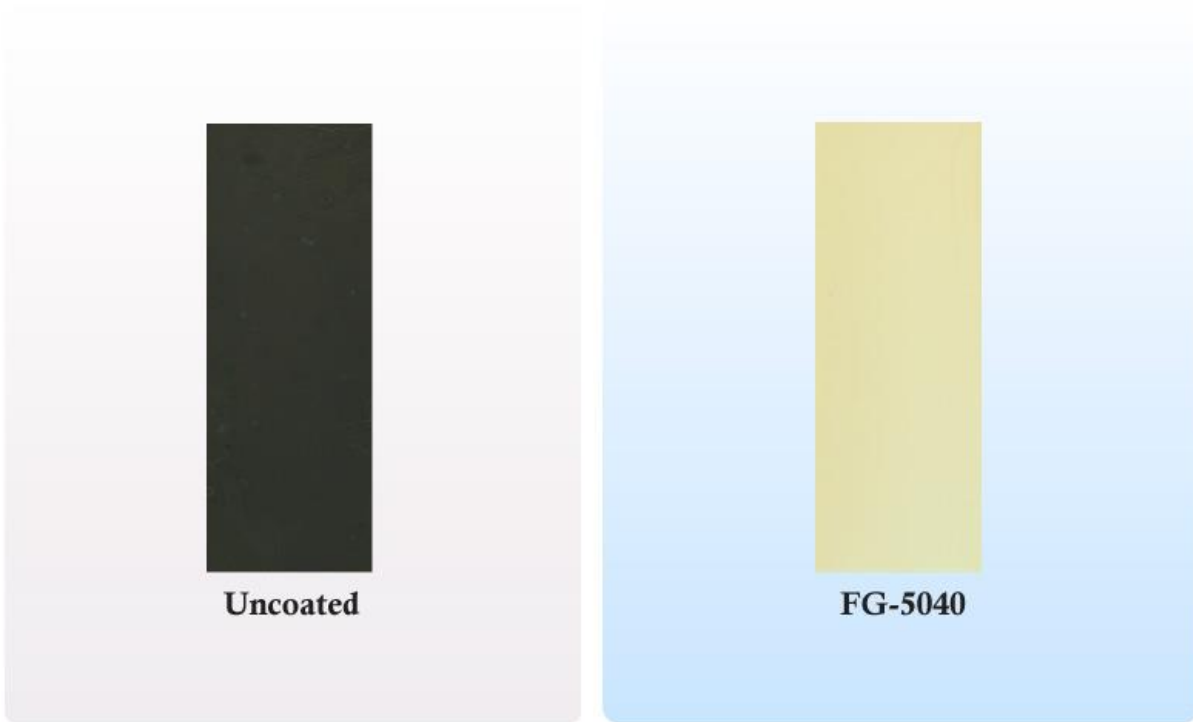
AG Plating Anti Sulfuration test (FG-5040)

Sample Board : Ag plated SUS board for LED reflector

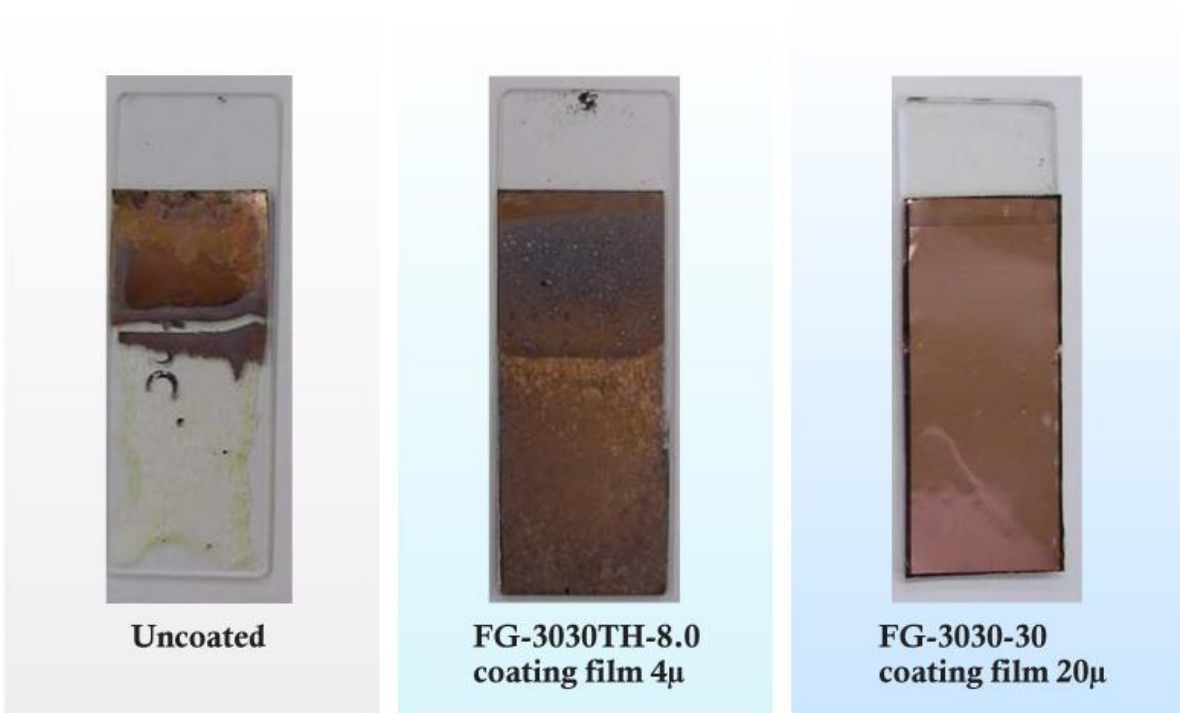
Apply Method : Dipping

Test Condition : H₂S Gas 15-20ppm Under room temperature 3hours

* Ag plated reflector



Acid resistance test : Specimens were respectively coated with each coating agent by the immersion method and dried at room temperature for 24 hours. Then they were immersed in 10% nitric acid water solution (25deg C) for 24 hours. (Copper thickness: 0.5mm)



Salt spray test: Specimens were respectively coated with each coating agent by the immersion method and then 5% salt water was sprayed to coating film thickness of about 20 microns repeatedly at an interval of 2 hours, for 480 hours (30deg C).



Product Line-Up for Acid-proof coating

Product Model No.	Application / Feature	Film thickness (micron meter)
FG-3650 series	Anti moisture film for Mounting Board, Acid proof, Resistance for electrolyte , LED protect from acid gas. It forms soft film for Mounting board.	0.1-40
FG-3020 series	Acid proof ,Anti Moisture, Water Proof, Resistance for electrolyte	0.1-40
FG-3030 series	Anti moisture film for Mounting Board, Acid proof, Resistance for electrolyte , LED protect from acid gas. It forms soft film for Mounting board.	0.1-40
FG-5040 series	Hard film (Pencil Hardness 3H)Anti acid. Anti sulfuration coating for LED	0.1-10