SURECO™ AF Series

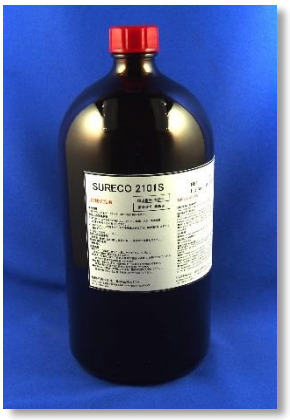
SURECO 2 Series is surface treatment agent containing a fluorinated polyether.
By forming a thin monomolecular layer on a surface such as glass, you can add excellent water and oil repellency, anti-fouling property etc, without disfeaturing the appearance.
Applicable for wet coating, for example Spray coating, dip coating, spin coating.

<features>

- Water and oil repellency
- Anti-fouling, Anti-fingerprint
- Thin film thickness (around 10nm)
- Low friction
- High durability for abrasion
- Non-flammable
- Suitable for general processing methods
  (Spray coating, dip coating, spin coating)

<Examples of application ideas>

- Touch panel,
- Mobile phone chassis
- mold releasing agent
- anti-fouling for metal
- plastic etc.



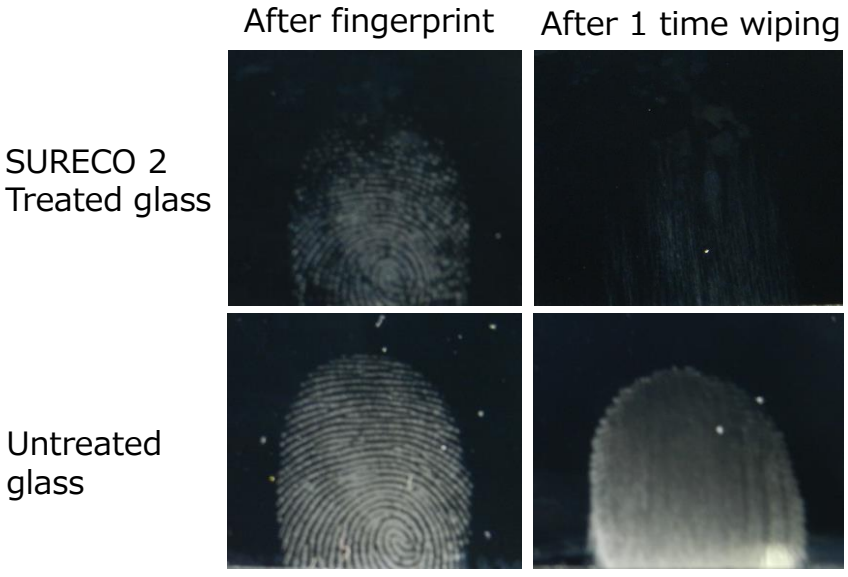
<Grade lineup>

Grade	Non-Volatile	Sample Package	Commercial Package	
SURECO 2101S	0.1 %	100 g	1 kg	20 kg
SURECO 2120	20 %	5 g	100 g	1 kg

<Precaution>

See the Safety Data Sheet for further details regarding safe use of this product
Fire law, Organic law, PRTR: Not applicable

<Test for wiping finger print (after 1 wipe)>



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SURECO™ AF Series

<Properties>

Items		Value	Unit	Remarks
Contact angle (Water)	Initial	deg.	113	
	Abrasion test with steel wool	deg.	108	1kg/2000 times
Contact angle (hexadecane)		deg.	68	
Friction coefficient			0.045	OA Paper

＊The physical properties are typical values, not guaranteed values

<Processing methods>

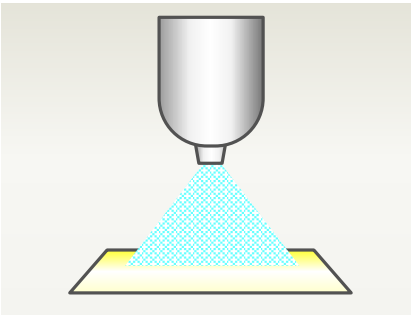
① **Pre-treatment**（Degreasing treatment + Dry treatment）

・Degreasing treatment ：
Clean the substrate surface with suitable solvent such as alkaline cleaning agent.
And rinse the substrate surface with deionized water.

・Dry treatment ：Optionally clean the substrate surface with corona or plasma.

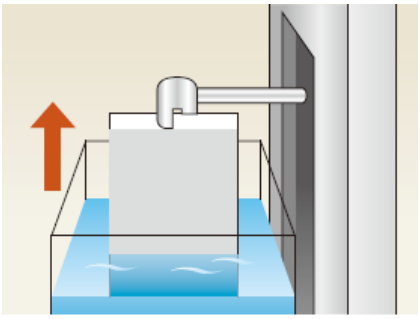
② **Coating**

Ex.1 : Spray coating



Spray the SURECO 2101 S onto the substrate surface at room temperature.

Ex2 : Dip coating



Immerse the substrate in a tank filled with SURECO 2101S, then pull it up at 5 to 15 mm / sec.

③ Bake

By baking, adhesion reaction time is shortened.
例) 120 ℃ , 10min~ / 80 ℃ , 15min ~ / 60 ℃ , 2hr ~
/ At room temperature (25 ℃ , 40 %RH) , 24hr~

④ Rinse

If find uneven surface, optionally wipe with soft cloth, or rinse glass surface with fluorinated solvent such as AE-3000 or deionized water.

※ Please contact us for other detailed conditions.

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