

ITOSTABILISER FC is a stabilising agent specially designed for use with ITOGUARD fluorocarbon products.

PROPERTIES

- **Appearance** : Pale yellow liquid
- **Ionic Nature** : Nonionic
- **pH** : Neutral (5% solution)
- **Specific gravity** : 1.04
- **Solubility** : Easily soluble in water

APPLICATION

In Padding (Synthetic):

- **ITOGUARD** : Xg/l
- **ITOSTABILISER FC*** : 0.1 – 1.0g/l
- **Drying** : 120°C for 1 - 2 min.
- **Curing** : 170°C for 1 min

*Excess dosage of ITOSTABILISER FC may effect water and oil repellent performance and generate foaming problems.

Please adhere strictly to the above recommended dosage

CHARACTERISTICS

1. Increasing the emulsion stability of ITOGUARD series during application
2. Reduces problems such as gumming up problems associated with unstable fluorocarbon emulsion
3. Can prevent foaming cause by poor emulsion stability during application
4. Solution should be used within 12 hours of preparation, checking stability of solution before use+.

DISCLAIMER

The information herein offered is based on the best of our knowledge at present. However, we are not able to guarantee these matters, as the result of application may vary according to conditions adopted. Preliminary tests are, therefore, recommended in all cases. Please refer to MSDS regarding handling of the products.

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APPENDIX

Example - Emulsion stability of water repellent agent

1. Prepare solution of ITOGUARD solution in 500ml beaker
2. Stir at 2500rpm
3. After stirring, filter the solution using a deep coloured fabric as a filter
4. After air drying, evaluate the amount of scum on the fabric visually using the following scale.

5 (No scum) —————>1 (large quantity of scum)

ITOGUARD LJC6800	30g/l	30g/l	30g/l	30g/l	30g/l	30g/l
ITOSTABILISER FC			0.5g/l	1.0g/l	1.5g/l	2.0g/l
Sumikaron Red SERPD		0.05g/l	0.05g/l	0.05g/l	0.05g/l	0.05g/l
Emulsion stability	5	1	2	3-4	4	4+

Example - Influence on water repellence

Fabric : 100% polyester tropical (dyed)
100% polyamide taffeta (dyed and fixed)
100% cotton broad (dyed and unfixed)

Application : Pad

Pickup : Polyester (92%)
Polyamide (35%)
Cotton (70%)

Drying : 100°C x 2 minutes

Curing : 170°C x 1 minute

Evaluation : JIS L 1092-98 6.2 (Spray method)

Polyester:

ITOGUARD LJC6800	10g/l	10g/l	10g/l
ITOSTABILISER FC		1.5g/l	2.0g/l
Water Repellence	100	100	100

Polyamide:

ITOGUARD LJC6800	20g/l	20g/l	20g/l
ITOSTABILISER FC		1.5g/l	2.0g/l
Water Repellence	100	100	100

Cotton:

ITOGUARD LJC6800	30g/l	30g/l	30g/l
ITOSTABILISER FC		1.5g/l	2.0g/l
Water Repellence	100	100	90+