

ITOGUARD LJC6800 is a PFOA free water and oil repellent finishing agent.

## PROPERTIES

- **Appearance** : Milky White emulsion.
- **Ionic Character** : Weakly cationic
- **pH** : Acidic
- **Solubility** : Easily diluted in water.
- **Solids content** : 20%

## APPLICATION

### In Padding:

- **ITOGUARD LJC6800** : 10-100 g/l
- **ITOXLINKER LJ10 (for improved durability)** : 10 gm/l
- **Drying** : 100-120 for 1-2 min.
- **Curing** : 150-170°C for 2 min

### In Exhaustion:

- **ITOGUARD LJC6800** : 1-10 %
- **ITOXLINKER LJ10 (for improved durability)** : 1 %
- **Liquor Ratio** : 10:1, at 40°C for 20 min.
- **Dehydrating and Drying** : 100°C
- **Curing** : 170°C for 2 min

## CHARACTERISTICS

1. Completely free from PFOA/PFOS or their precursors.
2. Imparts excellent water, oil and stain repellent performance to treated fabrics.
3. Excellent compatibility with residual materials from previous processes.
4. Non-Flammable.
5. APEO Free
6. TSCA listed.

## 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

### Examples of use.

**Finishing method :** Pad

**Fabrics :**

1.Upholstery fabric (dyed, thick polyester)	Dry & cure @ 170°C x 4min
2. Upholstery fabric (dyed, thick raised polyester)	Dry & cure @ 170°C x 6min
3. Car seat fabric (dyed)	Dry @ 110°C x 4 min Cure @ 170°C x 1 min.

**Evaluation :**

Water repellence	ISO 4920 AATCC-22 (Spray method)
	IPA/water method (Dupont method)
Oil repellence	AATCC 118
Abrasion resistance	JIS L 1018 A Uniform - Abrasion method 500 times.

### Results 1

	Fabric 1		Fabric 2	
ITOGUARD LJC6800	50g/l		50g/l	
Conventional (20% grade)		50g/l		50g/l
Spray	100	80+	100	80+
Dupont Method	5-6	5	9-10	10-11
Oil	4	4	6	6

### Results 2

	Fabric 3		
ITOGUARD LJC6800	50g/l		
Conventional (20% grade)			50g/l
Spray	Initial	100-	90-
	500 Abrasions	90-	90-
Dupont method	Initial	12	12
	500 Abrasions	11	11
Oil	Initial	6	6
	500 Abrasions	5-6	6