

ITOFINISH ALO200(A)



ITOFINISH ALO200(A) is an Aloe Vera based natural finishing agent for textiles that gives excellent antibacterial and moisturising effect whilst also imparting a soft handle.

Aloe: Aloe is a sap-rich perennial plant with mucronate green leaves, which grow in the shape of a rosette, and it has spired yellow flowers every spring. The word "Aloe" is derived from Alloeh in the Arabic meaning "Bitter" or "Shining substance".

Properties commonly associated with Aloe Vera

* Skin purification * Skin moisture conservation * Anti-inflammation * UV cut * Anti-bacteria

PROPERTIES

- **Appearance** : Pale yellow emulsion
- **Ionic Nature** : Nonionic/Anionic
- **pH** : Neutral
- **Solubility** : Readily dissolves in cold water
- **Storage** : Store between 5°C and 35°C, not in direct sunlight and protect from frost

APPLICATION

In Padding:

- **ITOFINISH ALO200(A)** : 30-70g/l
- **Dry** : 100 - 120°C x 1 - 2 min

In Exhaustion:

- **ITOFINISH ALO200(A)** : 3 - 7 %
- **Liquor Ratio** : 10 :1, at 40°C for 30 min
- **Dehydrating and Drying** : 100 - 120°C x 1 - 2 min

CHARACTERISTICS

1. Imparts soft handle to treated fabrics
2. Imparts a durable antibacterial effect to treated fabrics of all types
3. Gives excellent moisturising effect due to containing Aloe Vera.
4. Due to European legislation this product is not available for processing within Europe due to being unregistered under the Biocidal Products Directive

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 test report

- **Fabric** : 100% nylon
- **Application** : Pad
- **Recipe** : 30g/l ITOFINISH ALO200 (A) or 30g/l ITOFINISH ALO200 (C)
- **Pick-up** : 100%
- **Drying** : 100°C x 2 min
- **Curing** : 120°C x 3 min
- **Test Method** : Antibacterial test using JIS L1902 : 2008 (Staphylococcus Aureus)
- **Washing** : 30 to 50 washes

Sample	Initial Bacteria	Bacteria after 18 hours	Bacteriostatic Activity Value (S)	Antibacterial effect
Control	2.64×10^4	2.46×10^7	-	-
ITOFINISH ALO200 (C) 30 Wash	1.80×10^4	<20	>5.9	Positive
ITOFINISH ALO200 (A) 30 Wash	2.10×10^4	<20	>6.0	Positive
ITOFINISH ALO200 (C) 50 Wash	1.20×10^4	<20	>5.7	Positive
ITOFINISH ALO200 (A) 50 Wash	1.00×10^4	<20	>5.7	Positive

APPENDIX

Example test report

- **Fabric** : 100% Cotton
- **Application** : Pad
- **Recipe** : 70g/l ITOFINISH ALO200 (A) or 70g/l ITOFINISH ALO200 (C)
- **Pick-up** : 100%
- **Drying** : 100°C x 2 min
- **Curing** : 120°C x 3 min
- **Test Method** : Antibacterial test using JIS L1902 : 2008 (Staphylococcus Aureus)
- **Washing** : 30 to 50 washes

Sample	Initial Bacteria	Bacteria after 18 hours	Bacteriostatic Activity Value (S)	Antibacterial effect
Control	3.4×10^4	5.9×10^6	-	-
ITOFINISH ALO200 (C) 30 Wash	3.4×10^4	<20	5.5	Positive
ITOFINISH ALO200 (A) 30 Wash	3.4×10^4	<20	5.5	Positive
ITOFINISH ALO200 (C) 50 Wash	3.4×10^4	<20	5.5	Positive
ITOFINISH ALO200 (A) 50 Wash	3.4×10^4	1×10^2	4.8	Positive

S value : The below information gives approximate guidelines of the relative performance of the S values.

- 4.0 + = 99.99% Reduction in bacteria
- 3.0 = 99.9% Reduction in bacteria
- 2.0 = 99% Reduction in bacteria
- 1.0 = 90% Reduction in bacteria

A result of 1.0 would correspond to a positive test using the AATCC 147 plate method and indicates antibacterial activity.