

ZYCROBIAL

[For anti-microbial and anti-odor finishing]

Product attributes:

- **ZYCROBIAL** is retentive, non flammable, non leachable, easy to apply **organo-functional silane based antibacterial**.
- ZYCROBIAL provides durable anti-bacterial and anti-odor finish and ensures freshness and comfort for the user.
- ZYCROBIAL gives retentive finish by covalent bonding to hydroxyl group (in case of cellulose fiber) and / or by formation of interpenetrating polymer chain around the surface of fibers.
- ZYCROBIAL efficiently inhibits growth of bacteria and thereby protects textile products from deterioration and discoloration.
- ZYCROBIAL is compatible with other cationic and non-ionic softeners and can be applied easily by exhaust or pad method. It is permanently fixed to the substrate by proper drying or curing.
- ZYCROBIAL has user-friendly glycol as against methanol in other similar competing products.
- Zycrobial is eco friendly and safe for use by human beings.

Specifications:

Appearance	: Clear Pale yellow
Chemical Nature	: Quaternary compound
pH range	: 6 - 7
Solid content	: 42 %
Solubility	: Water Soluble
Carrier solvent	: Glycol

Applications:

* Traditional textile applications:

APPLICATION	FEATURES	DOSAGE
Inner wears Socks Knitted apparel Suitings & Shirtings	Effective protection against microorganisms. Controls discoloration, deterioration and odor generation. Keeps the user fresh and comfortable even after prolonged use.	For antimicrobial: Pad: 20 to 30 gpl Exhaust: 2 to 3% For anti odor: Pad: 40 to 50 gpl Exhaust: 4 to 5%
Home Furnishings- bed sheets, pillow covers, blanket covers, table napkins, table clothes etc.	Prevents development of bacterial organisms, thereby minimizing foul odor.	Pad: 20 to 30 gpl Exhaust: 2.0 to 3.0%

* Technical Textile applications:

APPLICATION	FEATURES	ZYCROBIAL DOSAGE
Anti-odour finish	100% viscose spunlace bonded non woven for reusable kitchen wipe / mops	10 to 30 gpl can be applied by padding off line or 1 – 3 % solution can be sprayed followed by curing on line.
	100% polyester needle punched resin bonded non woven for shoe liner application	ZYCROBIAL 1 – 3 % solution can be sprayed followed by curing on line.
	100% polyester needle punched resin bonded non woven for automotive and commercial carpeting application	ZYCROBIAL 1 – 3 % solution can be sprayed followed by curing on line.
Antimicrobial finish	100% polyester spunlace bonded non woven for medical disposable application	ZYCROBIAL 10 to 30 gpl can be applied by padding off line or 1 – 3 % solution can be sprayed followed by curing on line.

Note:

1. *The drying temperature ranges from room temperature to a maximum of 110 °C*
2. *Addition of Catalyst MX improves fastness to dry cleaning solvent. Hence for fabrics / garments which are to be dry cleaned addition of 5% Catalyst MX on weight of Zycrobial as supplied is recommended.*

Storage:

- Do not store ZYCROBIAL above 30 - 40°C or in direct sun.
- Stable for 12 months if stored in a shade at room temperature.

Disclaimer:

The information & data contained herein are given in good faith but without warranty. We recommend that before using our products, the customer should make his/her own tests to determine the suitability of the products for his/her own purpose under his/her operating conditions. As the circumstances under which our products are stored, handled and used are beyond our control, we cannot assume any responsibility for their use by the customers.

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