

**No-Tox AM[®] FUNCTIONAL COATING
VARNISH FOR ANTIMICROBIAL PACKAGING**NT23AM
(12/14)

- Product Type:** Specially modified water-based anti-microbial coating.
- Application Method:** Gravure/Offset Gravure / Flexography
- Suggested Uses:** Designed to provide good adhesion and anti-microbial properties to a variety of substrates including FDA acceptable uncoated / coated papers, Tyvek (DuPont, USA), corona treated PE & PP, corona-treated polystyrene, nylon, Saran (Dow Chemical, USA) acrylic and Saran(PVDC) coated PP, some cellophanes, Mylar(DuPont Teijin Films,USA) and aluminum foils.
- Applications:** Can be applied to various packaging structures in direct contact with foods, pharmaceuticals, or medical products requiring anti-microbial properties.
- Rollers:** Natural rubber as well as most synthetic rollers are suitable which are compatible with the solvents listed below.
- Viscosity:** Coating is supplied at slightly higher than application viscosity to allow for dilution and application flexibility.
- Solids Content:** 36 +/- 2%
- Drying Rates:** Drying rates of this coating can be controlled using the following materials:
- | | |
|------------------------|-----------------------------------|
| <i>Fast Drying:</i> | 20% IPA
80% Water |
| <i>Average Drying:</i> | 100% Water* |
| <i>Slow Drying:</i> | 90% Water
10% Propylene Glycol |
- *pH should be maintained 8.8 – 9.5
- Web temperatures of about 50 °C are needed for optimum resistance properties.
- NOTE:** Due to limited compatibility of the polymers used in this system, use only the blends recommended above. Avoid the use of other alcohols or glycol-ethers.
- Special Handling:** This coating is heterogeneous and should be well-stirred before use due to the possibility of some settling.
- FDA Acceptability*:** The FDA and USDA sanction all components used in No-Tox products for direct food contact. See Colorcon's Guarantee for specific regulations.

* FDA acceptability is based on the coating as supplied. Therefore, no other materials should be added, other than those indicated in this technical data sheet, unless specifically recommended by Colorcon

For more information, contact your Colorcon representative or call 1-800-724-0624
You can also visit our website at <http://www.colorcon.com/notox>

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