

No-Tox AM[®] FUNCTIONAL COATING VARNISH FOR ANTIMICROBIAL PACKAGING

NT23AM
(12/09)

Product Type:	Specially modified water-based anti-microbial coating.
Application Method:	Gravure/Offset Gravure
Suggested Uses:	Designed to provide good adhesion and anti-microbial properties to a variety of substrates including FDA acceptable uncoated / coated papers, Tyvek [®] , corona treated PE & PP, corona-treated polystyrene, nylon, Saran [®] , acrylic and Saran [®] (PVDC) coated PP, some cellophanes, Mylar [®] , and aluminum foils.
Applications:	Can be applied to various packaging applications 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.