

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

NT23AM
(02/12)

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 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: <table border="0" style="margin-left: 20px;"> <tr> <td><i>Fast Drying:</i></td> <td>20% IPA 80% Water</td> </tr> <tr> <td><i>Average Drying:</i></td> <td>100% Water*</td> </tr> <tr> <td><i>Slow Drying:</i></td> <td>90% Water 10% Propylene Glycol</td> </tr> </table> <p>*pH should be maintained 8.8 – 9.5</p>	<i>Fast Drying:</i>	20% IPA 80% Water	<i>Average Drying:</i>	100% Water*	<i>Slow Drying:</i>	90% Water 10% Propylene Glycol
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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.