

#### Waterbased Coating – Wet-State Odor

<b>Scope</b>	<ul style="list-style-type: none"> <li>- INX Coatings and Adhesives formulates and manufactures all waterbased coating products using materials and conditioned/treated water sources to aid in the prevention of microbial growth during long-term storage.</li> <li>- In circumstances where microbial growth does occur resulting in wet-state discoloration and odor, contamination by a polluted outside water source, other pressroom chemistries or an infected coating system is typically the direct cause. In this case, a dark discoloration may result on the coating surface in the storage container along with a pungent/foul odor.</li> </ul>
--------------	---

#### Waterbased Coating – Contamination Sources

<b>Contamination Sources</b>	<ul style="list-style-type: none"> <li>- Conditional changes for wet-state coating discoloration and odor can be attributed to:             <ul style="list-style-type: none"> <li>• Coating dilution using an untreated water source</li> <li>• Coating circuit microbial growth/infection</li> <li>• Coating system cleaning/wash-up container/source microbial growth/infection</li> <li>• Coating system cleaning/wash-up using an untreated water source</li> <li>• Coating contamination by other pressroom chemicals</li> </ul> </li> </ul>
------------------------------	--

#### Waterbased Coating – Contamination Prevention

<b>Water Source</b>	<ul style="list-style-type: none"> <li>- The use of a treated/conditioned water source for waterbased coating cleaning/wash-up and viscosity dilution is always recommended in all aspects of coating use. The use of RO (reverse-osmosis) or distilled water is most desirable.</li> <li>- Incoming water that has been treated with chlorine may be inconsistent and can provide unreliable/unpredictable long-term results when added to a waterbased coating.</li> <li>- The use of an untreated water source is not recommended as the long-term storage results for the coating product can become positive for discoloration and/or odor.</li> <li>- Make certain that all aspects of the water source are clean and free of microbial growth. With water treatment/conditioning systems, make certain all components are free of contamination.</li> </ul>
<b>Coating System</b>	<ul style="list-style-type: none"> <li>- Over time, the coating system can become contaminated with microbial growth which needs to be cleaned/disinfected.</li> <li>- If the coating circuit is contaminated, all coating/water that is circulated is at risk for becoming infected which can result in microbial growth in the source containers.</li> <li>- Circulation of hot water and good cleaning procedures can aid in preventing microbial growth.</li> </ul>
<b>Coating System Operation</b>	<ul style="list-style-type: none"> <li>- During coating use, it is important to ensure that no outside water source can contaminate and pollute the coating storage container.</li> <li>- In this case, it is necessary to purge all residual cleaning/wash-up water from the coating circuit prior to returning coating back to the coating storage container.</li> <li>- The practice of purging all water until fresh coating begins to return prior to placing the return stem in the coating container will help to prevent any contamination occurrence.</li> </ul>
<b>Coating Storage</b>	<ul style="list-style-type: none"> <li>- Keep the supplied lid always sealed on the coating storage container to prevent inadvertent water addition or contamination by other pressroom chemicals.</li> </ul>