

Kop-Coat, Inc.

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Technical Bulletin: 2002-3

SOLUTIONS FOR BRIGHT LUMBERSM

Subject: A guide to sawmill applied lumber chemicals which resist mold and protect against water damage during shipping, storage, installation, and construction.

Many lumber manufacturers in North America spray apply antisapstain chemicals or water repellents to achieve mold or water resistance. Many other manufacturers with available application equipment are not presently using protection chemicals to protect dry and green lumber.

Kop-Coat offers 4 types of lumber protection programs:

- A breathable mold and water resistant barrier for application to Dry wood - DriWrap® *
- A mold resistant program for Dry wood - SSCC™
- A mold resistant program for either Dry or Green lumber - NP-1®
NP-1® Plus
NP-2®
- A mold resistant program for Green lumber - SC-2™

* DriWrap is not a registered pesticide. However, it does contain an EPA-registered preservative to make the barrier mold and mildew resistant.

Current users of SSCC, NP-1, NP-1 Plus or NP-2 can add breathable water resistance by the addition of WRS-3™.

All 4 of these programs are supported by detailed, local QC/QA programs including the new real time KLI™ Quality Assurance Scanning System.

All programs offer highly flexible protection periods from weeks to months or years in order to meet the lumber buyer's goals for bright, clean lumber.

For additional information on these programs, and for information on "Turn Key" application systems, and for protection programs for Structural Panels, Composites and Engineered Woods, please contact us at:

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Programs to help protect lumber and keep it bright during shipping, storage and construction

DriWrap® - A breathable, mold and water resistant barrier for application to Dry lumber and other Dry wood products (Patented)

- DriWrap is the most cost efficient approach for the protection of kiln dried lumber.
- The spray applied barrier combines water and mold resistance in one unique patented product.
- The breathable barrier is highly resistant to water damage. Water damage is the major cause of checking, cracking, extractive staining, and mold.
- The microthin barrier contains a patented, EPA-registered preservative which creates a barrier that is extremely resistant to mold.
- The barrier is planable, sandable, and colorless.
- DriWrap's protective properties come from materials which are used in food packaging and cosmetics.

SSCC™ - Mold control for Dry lumber (Patented)

- A mold resistant system for Dry wood products.
- A unique patented formula specially designed to greatly reduce moisture pickup that occurs with most sapstain control products.
- A non corrosive formula based on materials used in cosmetics.
- SSCC can be combined with WRS-3™ Moisture Controller to achieve breathable water control.

NP-1®, NP-1® Plus, and NP-2® - Mold control for Dry and Green Lumber (Pat.)

- These are the most concentrated, most widely used products in North America for lumber protection
- These are proven to be the most cost effective systems for Dry and Green lumber for control of mold and sapstain.
- All can be combined with WRS-3™ Moisture Controller for breathable water control.
- All can be combined with brighteners to enhance the appearance of any lumber products.

SC-2™ Mold control with brighteners for Green lumber (Patented)

- SC-2™ is especially designed to provide sapstain, mold, and iron stain resistance to green wood containing "tannins" such as Douglas fir, Hemlock and hardwoods.

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