



SIP No. 2070

Subject: Mold Resistant SIPs - FrameGuard® Coating

Date: October 2008

R-Control SIPs are coated with FrameGuard solution to provide protection against mold, mildew, and termite damage to the oriented strand board (OSB) facings. An important aspect of choosing a mold, mildew, and termite resistant coating for a SIP panel is to understand the regulatory, manufacturing, testing, air quality, and warranty details of the system.

EPA Registration

A critical regulatory issue is that all chemicals and components claiming to provide protection against mold and termites must be registered with the Environmental Protection Agency (EPA).

The moldcide component of FrameGuard coating is covered by EPA registration # 72616-1-62190 and the termite resistant component is covered by EPA registration # 64405-1-62190. Other products may use an EPA registered component recognized for termites, but we recommend that you verify their registration with the EPA to ensure it includes recognition for mold resistance.

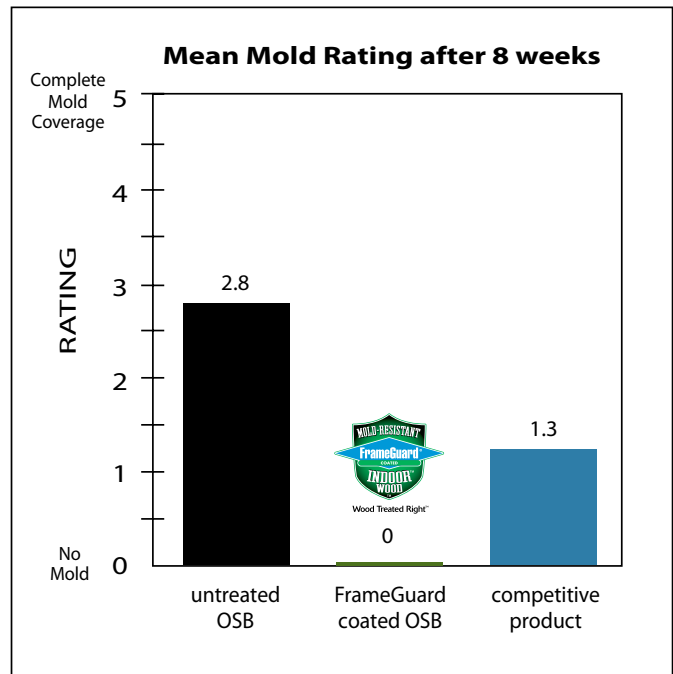
Quality Controlled Manufacturing

FrameGuard coating is a blend of components factory applied with advanced manufacturing equipment and processes to provide thorough coverage to the surface of R-Control SIPs. Quality control records are maintained and ongoing tests are conducted to ensure proper treatment.

Independent Testing - Mold

The FrameGuard coating has been tested side by side with many other wood protection products claiming protection against mold. Testing was conducted by Forintek, an independent third party agency recognized as a leader in wood protection testing. The testing followed ASTM D3273, "Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber". This mold growth study examined coated and uncoated samples over eight weeks, at a temperature of 77 °F, and a relative humidity of 100%. The product performance was rated on a scale from 0 (no mold) to 5 (complete mold coverage). The FrameGuard formulation was the clear leader in performance when compared against competitive products used to treat the wood facings of SIP panels.

Mold Control Study Third Party Testing¹



¹ Independent testing by Forintek Canada Corporation, using ASTM D-3273. Project 4528

Air Quality

The FrameGuard coating has been evaluated to criteria developed by GREENGUARD Environmental Institute. It is GREENGUARD Indoor Air Quality Certified®.



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Warranty Coverage

R-Control sources the FrameGuard coating exclusively from Arch Wood and Protection, Inc. The FrameGuard limited warranty (see the warranty document for details) is backed by your R-Control supplier and Arch Wood Protection, Inc. You can be assured the warranty protection is backed by companies with a long history of performance servicing the SIP and wood protection markets. Arch Chemicals, the parent company of Arch Wood Protection, is an international leader in biocides with over \$1.5 billion in sales.

There is no cost for your FrameGuard limited warranty nor are there any special registration requirements. Some other competitive products may charge a fee for their warranty and require registration.



R-Control SIPs are made exclusively with Foam-Control EPS. R-Control SIPs and Foam-Control EPS are manufactured by AFM Corporation licensees.

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