

SOUTHPORT
NO. 2
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**RED
SHIELD**
PROTECTED
LUMBER



Technical Specifications Eco Red Shield as a Primer



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Red Shield™ Coatings Can Be Utilized As Paint Primer

Primer Testing Via ASTM D3359 Protocol Reveal...

New testing reveals that when trim or fascia are treated with Red Shield™ coatings, the wood is sealed as efficiently as most primers, while still allowing a great surface for paint to adhere. Now you can have the comfort in using Red Shield™ Protection on exterior trim and fascia as the prime coat. An **All In One** product with Mold, Wood Rot, Fire, Termite Protection and a Prime Coat for less than the cost of applying a prime coat to an untreated surface.

EcoBuilding Products Wood Surface Film™ Application Mixture (WSFAM) was applied to 3/8 inch piece of plywood. The Red Shield™ coating was allowed to fully cure, for a minimum of 48 hours, and then a single coat of "**Dunn Edwards Spartashield Exterior 100% Acrylic Eggshell Paint**" (p/n DE 623) was applied to the surface and allowed to cure for a minimum of 72 hours. The testing lab used a one inch rectangular fork with 11 prongs to scribe the painted surface into 10 even squares representing 1/10 of a square inch (Please see pictures in test results below). An adhesion by tape test was performed to look for paint peel on the surface.

The test revealed that the Eco Building Products WSFAM (Standard Red Shield™ Coating) had greater than 95% adhesion to the plywood.

The test revealed that the Eco Building Products WSFAM (Hydro Shield™ Coating used on EWP Products) had 100% adhesion to the plywood.



Laboratory Report

Objectives:

Evaluate the adhesion by tape test of two formulations on wood panels, WSFAM Standard and WSFAM Hydro Shield, provided by Eco Building Products.

Materials Tested:

1. 12" by 12" wood panel coated with WSFAM Standard
2. 12" by 12" wood panel coated with WSFAM Hydro Shield

Test Procedure:

ASTM D 3359 - Standard Test Methods for Measuring Adhesion by Tape Test

Bench Test Results:

The test results showed that both formulations had very good adhesion as measured by ASTM D 3359. WSFAM Standard had less than five percent of the film removed where WSFAM Hydro Shield showed no film damage.

The complete test results can be seen in Table 1 and Figures 1 and 2.

Conclusion:

According to these results, both formulations have very good adhesion.

Table 1: Test Results

TEST SAMPLES	WSFAM Standard	WSFAM Hydro Shield
Adhesion ASTM D 3359	4B ¹	5B ²

¹ A rating of 4B indicates less than five percent film removal,

² A rating of 5B indicates no film removal.

Figure 1: Cross Hatch Adhesion of WSFAM Standard on Pre-Coated Wood Panel

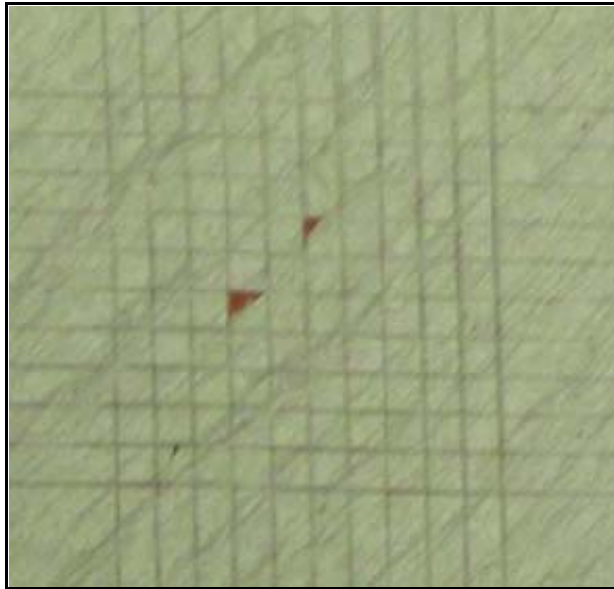


Figure 2: Cross Hatch Adhesion of WSFAM Hydro Shield on Pre-Coated Wood Panel

