



FLUROPON®

CERTIFIED LABORATORY

TEST REPORT

GLOSS

## SPECULAR GLOSS

<b>TEST PROCEDURES:</b>	<b>GLOSS DETERMINATION PER ASTM D523</b>
<b>PRODUCT TESTED:</b>	<b>VALSPAR FLUROPON COATING</b>
<b>TESTS RESULTS:</b>	<b>SPECULAR GLOSS WAS FOUND TO BE 30 OR LESS ON A 60° GEOMETRY. HUNTER LAB D48D GLOSSMETER. (STANDARDIZATION AT 0 AND 95.3)</b>
<b>SAMPLE NUMBER:</b>	<b>435A871</b>
<b>LOCATION:</b>	<b>THE VALSPAR CORPORATION FT. MYERS, FL</b>

The VALSPAR CORPORATION certifies these tests to be true and accurate and performed by our laboratory.



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TEST REPORT

GLOSS

## **PENCIL HARDNESS**

**TEST PROCEDURES:**

**FILM HARDNESS BY PENCIL TEST PER  
ASTM D 3363**

**PRODUCT TESTED:**

**VALSPAR FLUROPON COATING**

**TESTS RESULTS:**

**PENCIL HARDNESS (GOUGH AND  
SCRATCH HARDNESS) IS HB MINIMUM  
USING EAGLE TURQUOISE PENCILS**

**SAMPLE NUMBER:**

**4338365**

**LOCATION:**

**THE VALSPAR CORPORATION  
FT. MYERS, FL**

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ADHESION

## **MEASURING ADHESION BY TAPE**

<b>TEST PROCEDURES:</b>	<b>ADHESION OF COATING BY TAPE-OFF PER ASTM D 3359, METHOD B</b>
<b>PRODUCT TESTED:</b>	<b>VALSPAR FLUROPON COATING</b>
<b>TESTS RESULTS:</b>	<b>NO COATING WAS REMOVED BY SCOTCH TAPE ON THE TESTED AREA</b>
<b>SAMPLE NUMBER:</b>	<b>432B198</b>
<b>LOCATION:</b>	<b>THE VALSPAR CORPORATION FT. MYERS, FL</b>

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IMPACT

## IMPACT RESISTANCE

<b>TEST PROCEDURES:</b>	<b>REVERSE AND DIRECT IMPACT USING 3X METAL THICKNESS IN INCH LBS. (KILOGRAM-METERS) 1 /2 INCH (13 MM) BALL INDENTER (GARDNER IMPACT TESTER), PER ASTM D 2794</b>
<b>PRODUCT TESTED:</b>	<b>VALSPAR FLUROPON COATING ON GALVALUME® STEEL SUBSTRATE</b>
<b>TESTS RESULTS:</b>	<b>REVERSE IMPACT:</b> <ul style="list-style-type: none"><li>• NO CRACKING</li><li>• NO LOSS OF ADHESION</li></ul> <b>DIRECT IMPACT:</b> <ul style="list-style-type: none"><li>• NO CRACKING</li><li>• NO LOSS OF ADHESION</li></ul>
<b>SAMPLE NUMBER:</b>	<b>4338175</b>
<b>LOCATION:</b>	<b>THE VALSPAR CORPORATION FT. MYERS, FL</b>



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100% HUMIDITY

## **HUMIDITY**

<b>TEST PROCEDURES:</b>	<b>HUMIDITY TEST RUN FOR 2000 HOURS AT 100° F, PERASTM D 2247 APPARATUS AI</b>
<b>PRODUCT TESTED:</b>	<b>VALSPAR FLUROPON COATING ON GALVALUME® SUBSTRATE</b>
<b>TESTS RESULTS:</b>	<b>ACCEPTABLE</b>
<b>FIELD:</b>	<b>TEST RATING OF 10, NO BLISTERING, CRACKING, CREEPAGE, OR CORROSION PER ASTM D 1654</b>
<b>SAMPLE NUMBER:</b>	<b>456A354</b>
<b>LOCATION:</b>	<b>THE VALSPAR CORPORATION FT. MYERS, FL</b>

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SALT SPRAY

### SALT SPRAY

<b>TEST PROCEDURES:</b>	<b>SALT SPRAY- 1000 HOURS PER ASTM B 117, INCLUDING SCRIBE REQUIREMENT</b>
<b>PRODUCT TESTED:</b>	<b>VALSPAR FLUROPON COATING ON GALVALUME® SUBSTRATE</b>
<b>TESTS RESULTS:</b>	<b>ACCEPTABLE</b>
<b>SCRIBE:</b>	<b>TEST RATING OF 7, 1/16 INCH (2MM) CREEPAGE FROM SCRIBE PER ASTM D 1654, PROCEDURE A</b>
<b>FIELD:</b>	<b>TEST RATING OF 10, NO BLISTERING PER ASTM D 1654 PROCEDURE B (REF. ASTM D 714)</b>
<b>SAMPLE NUMBER:</b>	<b>435A871</b>
<b>LOCATION:</b>	<b>THE VALSPAR CORPORATION FT. MYERS, FL</b>



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SURFACE BURNING

## TUNNEL TEST

TEST PROCEDURES: SURFACE BURNING CHARACTERISTIC OF BUILDING MATERIALS PER ASTM E 84

PRODUCT TESTED: VALSPAR FLUROPON COATING

TESTS RESULTS: RESULTS ARE EXPRESSED AS RATIO WITH STANDARD MATERIALS: ASBESTOSCEMENT= 0; RED OAK FLOORING= 100

FILM APPEARANCE: PANEL # 1- COATED ALUMINUM  
PANEL# 2- COATED GALVANIZED STEEL WITH RUBBER SEALANT AT THE INTERLOCKING JOINT

	<u>PANEL# 1</u>	<u>PANEL# 2</u>
FLAME SPREAD RATIO	0	10
FUEL CONTRIBUTED FACTOR	0	0
SMOKE DENSITY FACTOR	0	0

\*RUBBER SEALANT CONTRIBUTES SOME FLAME AND SMOKE NFPA (NATIONAL FIRE PROTECTION ASSOCIATION) HAS ADOPTED THE FOLLOWING SURFACE BURNING CLASSIFICATION SYSTEM BASED ON TUNNEL TEST FLAME SPREAD RATIO:

- CLASS A- 0-25
- CLASS B- 25-75
- CLASS C- 75-100
- CLASS D- 200-500
- CLASS E- OVER 500

VALSPAR'S FLUROPON COATING SYSTEM RATES AS A CLASS A

SAMPLE NUMBER: 433X403

LOCATION: UNITED STATES TESTING COMPANY, INC.  
FAIRFIELD, NEW JERSEY

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ACCELERATED WEATHERING

## ACCELERATED WEATHERING

TEST PROCEDURES:	ACCELERATED WEATHERING 1000 HOURS PER ASTM D 3361
PRODUCT TESTED:	VALSPAR FLUROPON COATING
TESTS RESULTS:	ACCEPTABLE
FILM INTEGRITY:	NO CRACKING, PEELING, BLISTERING, LOSS OF ADHESION OF THE PROTECTIVE COATING, OR CORROSION OF THE BASE METAL
CHALKING:	CHALK RATING OF 8 OR BETTER PER ASTM D 4214, METHOD A (ASTM D 659)
COLOR CHANGE:	LESS THAN 5 HUNTER UNITS PER ASTM D 2244
SAMPLE NUMBER:	4328198
LOCATION:	THE VALSPAR CORPORATION FT. MYERS, FL





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FALLING SAND

## **ABRASION RESISTANCE**

<b>TEST PROCEDURES:</b>	<b>FALLING SAND ABRASION TEST PER ASTM D 968 METHOD A</b>
<b>PRODUCT TESTED:</b>	<b>VALSPAR FLUROPON COATING</b>
<b>TESTS RESULTS:</b>	<b>TOTAL SAND = 67 LITERS</b>
<b>SAMPLE NUMBER:</b>	<b>431A641</b>
<b>LOCATION:</b>	<b>THE VALSPAR CORPORATION FT. MYERS, FL</b>

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## CERTIFIED LABORATORY TEST REPORT

### ABRASION - FALLING SAND

TEST PROCEDURES:

FALLING SAND PER  
ASTM D968

PRODUCT TESTED:

VALSPAR FLUROPON®

SUBSTRATE:

GALVALUME

TEST RESULTS:

ACCEPTABLE  
88 LITERS/ MIL

LOCATION:

THE VALSPAR CORPORATION  
FT. MYERS, FLORIDA, USA

*Marlene Garrow 6/4/12*

Marlene Garrow - Ft. Myers  
Valspar Corporation

Date

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## CERTIFIED LABORATORY TEST REPORT

### FORMABILITY

TEST PROCEDURES:

1/8 INCH (3 MM) MANDREL TEST  
1802 BEND PER  
ASTM D 522

PRODUCT TESTED:

VALSPAR FLUROPON®

SUBSTRATE:

HDG- HOT DIP GALVANIZE

TEST RESULTS:

ACCEPTABLE  
(NO LOSS OF ADHESION)

LOCATION:

THE VALSPAR CORPORATION  
FT. MYERS, FLORIDA, USA

*Marlene Garrow* 6/4/12  
Marlene Garrow • Ft. Myers Date  
Valspar Corporation

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## CERTIFIED LABORATORY TEST REPORT

### EXTERIOR DURABILITY

TEST:	FLORIDA EXTERIOR DURABILITY, PER ASTM D 2244 and D 4214 Method A
TEST PROCEDURE:	COATED STEEL OR ALUMINUM, PROPERLY COATED AND WEATHERED IN FLORIDA AT 45° FACING SOUTH FOR 5 YEARS
PRODUCT TESTED:	VALSPAR FLUROPON®
TEST RESULTS:	NO MORE THAN FIVE (5) LIE HUNTER UNITS COLOR CHANGE AND CHALK RATING NO LESS THAN EIGHT (8)
LOCATION:	THE VALSPAR CORPORATION FT. MYERS, FLORIDA, USA

Marlene Garrow 6/4/12 |  
Marlene Garrow .Ft. Myers                      Date  
Valspar Corporation

The VALSPAR CORPORATION certifies these test to be true and accurate and performed by our laboratory.