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FLUOROPON®

CERTIFIED LABORATORY  
TEST REPORT

GLOSS

## SPECULAR GLOSS

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

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

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FILM HARDNESS

## 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:	433B365
LOCATION:	THE VALSPAR CORPORATION FT. MYERS, FL

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ADHESION

## MEASURING ADHESION BY TAPE

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

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IMPACT

## IMPACT RESISTANCE

TEST PROCEDURES: 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

PRODUCT TESTED: VALSPAR FLUROPON COATING ON GALVALUME<sup>®</sup> STEEL SUBSTRATE

TESTS RESULTS: REVERSE IMPACT:  
• NO CRACKING  
• NO LOSS OF ADHESION  
DIRECT IMPACT:  
• NO CRACKING  
• NO LOSS OF ADHESION

SAMPLE NUMBER: 433B175

LOCATION: THE VALSPAR CORPORATION  
FT. MYERS, FL

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100% Humidity

## HUMIDITY

TEST PROCEDURES:	HUMIDITY TEST RUN FOR 2000 HOURS AT 100° F, PER ASTM D 2247 APPARATUS A1
PRODUCT TESTED:	VALSPAR FLUOROPON COATING ON GALVALUME® SUBSTRATE
TESTS RESULTS:	ACCEPTABLE
FIELD:	TEST RATING OF 10, NO BLISTERING, CRACKING, CREEPAGE, OR CORROSION PER ASTM D 1654
SAMPLE NUMBER:	456A354
LOCATION:	THE VALSPAR CORPORATION FT. MYERS, FL

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SALT SPRAY

## SALT SPRAY

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

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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

	PANEL # 1	PANEL # 2
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 5ΔE HUNTER UNITS PER ASTM D 2244
SAMPLE NUMBER:	432B198
LOCATION:	THE VALSPAR CORPORATION FT. MYERS, FL

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FALLING SAND

## ABRASION RESISTANCE

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

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



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## CERTIFIED LABORATORY TEST REPORT

### ABRASION - FALLING SAND

TEST PROCEDURES:

FALLING SAND PER  
ASTM D 968

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

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



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## CERTIFIED LABORATORY TEST REPORT

### FORMABILITY

TEST PROCEDURES:

1/8 INCH (3 MM) MANDREL TEST  
180° BEND PER  
ASTM D 522

PRODUCT TESTED:

VALSPAR FLUROPON<sup>®</sup>

SUBSTRATE:

HDG – HOT DIP GALVANIZE

TEST RESULTS:

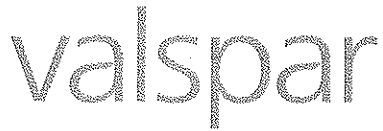
ACCEPTABLE  
(NO LOSS OF ADHESION)

LOCATION:

THE VALSPAR CORPORATION  
FT. MYERS, FLORIDA, USA

 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.



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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 <sup>®</sup>
TEST RESULTS:	NO MORE THAN FIVE (5) ΔE HUNTER UNITS COLOR CHANGE AND CHALK RATING NO LESS THAN EIGHT (8)
LOCATION:	THE VALSPAR CORPORATION FT. MYERS, FLORIDA, USA

  
\_\_\_\_\_  
Marlene Garrow - Ft. Myers                      Date  
Valspar Corporation

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