SPECULAR GLOSS

TEST PROCEDURES: GLOSS DETERMINATION PER ASTM D523

PRODUCT TESTED: VALSPAR FLUROPON 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.
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

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

The VALSPAR CORPORATION certifies these tests to be true and accurate and performed by our laboratory.
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: VALSAR FLUROPON COATING ON GALVALUME® 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

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

**TEST PROCEDURES:**  
HUMIDITY TEST RUN FOR 2000 HOURS AT 100° F, PER ASTM D 2247 APPARATUS A1

**PRODUCT TESTED:**  
VALSPAR FLUROPON 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

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

TEST PROCEDURES: SALT SPRAY- 1000 HOURS PER ASTM B 117, INCLUDING SCRIBE REQUIREMENT

PRODUCT TESTED: VALSPAR FLUROPON COATING ON GALVALUME® SUBSTRATE

TEST 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

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

<table>
<thead>
<tr>
<th>PANEL # 1</th>
<th>PANEL # 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLAME SPREAD RATIO</td>
<td>0</td>
</tr>
<tr>
<td>FUEL CONTRIBUTED FACTOR</td>
<td>0</td>
</tr>
<tr>
<td>SMOKE DENSITY FACTOR</td>
<td>0</td>
</tr>
</tbody>
</table>

*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

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

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

TEST PROCEDURES: FALLING SAND ABRASION TEST PER ASTM D 968 METHOD A

PRODUCT TESTED: VALSPAR FLUROPON 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.
FLURAPON®
CERTIFIED LABORATORY TEST REPORT
ABRASION - FALLING SAND

TEST PROCEDURES: FALLING SAND PER ASTM D 968
PRODUCT TESTED: VALSPAR FLURAPON®
SUBSTRATE: GALVALUME
TEST RESULTS: ACCEPTABLE 88 LITERS / MIL
LOCATION: THE VALSPAR CORPORATION FT. MYERS, FLORIDA, USA

Marlene Garrow 6/4/12
Valspar Corporation

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

CERTIFIED LABORATORY TEST REPORT

FORMABILITY

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

PRODUCT TESTED: Valspar Fluoron®

SUBSTRATE: HDG – HOT DIP GALVANIZE

TEST RESULTS: ACCEPTABLE
               (NO LOSS OF ADHESION)

LOCATION: The Valspar Corporation
           Ft. Myers, Florida, USA

Marlene Garrow - Ft. Myers
Valspar Corporation

Date 6/4/12

The Valspar Corporation certifies these test to be true and accurate and performed by our laboratory.
FLUROPON®

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) 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.