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 GLOSMETER. (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:** Valvoline FLUROPON Coating

**Tests Results:** No coating was removed by Scotch tape on the tested area

**Sample Number:** 432B198

**Location:** The Valvoline Corporation, Ft. Myers, FL

The Valvoline 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: VALSPAR 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 PROCEDURES: SALT SPRAY- 1000 HOURS PER ASTM B 117, INCLUDINGSCRIBE REQUIREMENT

PRODUCT TESTED: VALSAR FLUROPON 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

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

TEST 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></th>
<th>PANEL # 1</th>
<th>PANEL # 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLAME SPREAD RATIO</td>
<td>0</td>
<td>10</td>
</tr>
<tr>
<td>FUEL CONTRIBUTED FACTOR</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>SMOKE DENSITY FACTOR</td>
<td>0</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.
FLUROPON®

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
Date

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 FLUROPON®

SUBSTRATE:
HDG – HOT DIP GALVANIZE

TEST RESULTS:
ACCEPTABLE
(NO LOSS OF ADHESION)

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.
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
Date
Valspar Corporation

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

04/12