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The Committee on Evaluation has reviewed the data submitted for compliance with the Standard Building Code, the International One and Two Family Dwelling Code, and the Florida Building Code 2001 - Building and submits to the Building Official or other authority having jurisdiction the following report. The Committee on Evaluation, SBCCI PST & ESI and its staff are not responsible for any errors or omissions to any documents, calculations, drawings, specifications, tests or summaries prepared and submitted by the design professional or preparer of record that are listed in the Substantiating Data Section of this report. Copyrighted © 2003 SBCCI PST & ESI

REPORT NO.: 2302

EXPIRES: See the current EVALUATION REPORT INDEX

CATEGORY: FLOOR, WALL AND ROOF SYSTEMS

SUBMITTED BY:

REGAL DECKS, INC.
P.O. BOX 2064
PALM HARBOR, FLORIDA 34682
727-787-9511

1. PRODUCT TRADE NAME

Regal Decks Fiberglass Waterproofing

2. SCOPE OF EVALUATION

- 2.1 Weather resistance
2.2 Class C Roof Covering Fire Classification
2.3 Static Coefficient of Friction

3. USES

Regal Decks Fiberglass Waterproofing is used on exterior floor decks and/or balconies over 3/4 inch tongue and groove plywood.

4. DESCRIPTION

4.1 General

Regal Decks Fiberglass Waterproofing is installed over 3/4 inch tongue and groove plywood on exterior floor decks and or balconies. The product is a three component system that is roll applied in the field. The final installed membrane provides a waterproof textured surface over the plywood deck that serves as

an exterior exposed deck surface or as a Class C roof covering material.

4.2 Materials

The three components of the product are:

- 1-1/2 ounce Owens Corning chopped strand mat
• 62 mils (wet) Reichold PolyLite™ 33441-00 flame Retardant Polyester Resin.
• 25 mils (wet) Reichold Exterior Gel Coat Fire Retardant which is textured with 1 cup of Quick Crete Commercial fine sand per gallon of gel coat.

4.3 Roof Covering Fire Classification Testing

The Regal Decks fiberglass Waterproofing has a Class C roof covering classification when tested under ASTM E 108 and installed over combustible or non-combustible decking at a maximum slope of 1/2:12.

4.4 Static Coefficient of Friction

Regal Decks Fiberglass Waterproofing was tested under ASTM D 2047 and demonstrated a static coefficient of friction on wet surface of 0.84.

5. INSTALLATION

5.1 General

Regal Decks Fiberglass Waterproofing is installed in accordance with the manufacturer's published installation instructions and this report.

The manufacturer's published installation instructions and this report shall be strictly adhered to and a copy of these instructions shall be available at all times on the job site during installation.

The instructions within this report govern if there are any conflicts between the manufacturer's instructions and this report.

5.2 Application

Regal Decks Fiberglass Waterproofing is roll applied in the field over 3/4 inch tongue and groove plywood with a moisture content of 18% or less. The deck is prepared in accordance with manufacturer's installation instructions. The 1-1/2 ounce Owens Corning Fiberglass chop strand mat is laid out over the deck and 6 to 8 inches of flashing up walls. The fiberglass mat is wet out by rolling PolyLite 33441-00 flame-retardant polyester resin according to the manufacturer's calculations, one gallon of resin

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for every 30 square feet of deck, catalyst to manufacturer's specifications. Lamination is allowed to set per installation instructions. 25 mils (wet) Reichold Exterior Gel Coat Fire Retardant is roll applied and textured with 1 to 1-1/2 cup of fine sand per 100 square feet of deck. The final gelcoat is allowed to cure for one week before walking on the surface.

## 6. SUBSTANTIATING DATA

- 6.1 Manufacturer's descriptive literature, specifications, and installation instructions.
- 6.2 Test report on Regal Decks fiberglass Waterproofing, WVT rate under ASTM E 96, accelerated aging under ASTM G 23, 2000 hours with bond testing under ASTM C 297, API Asphalt Technologies, PRI No. RDI-001-02-01, September 16, 2002, signed by Donald C. Portfolio and Rick Range.
- 6.3 Test report on roof covering fire classification under ASTM E 108, Southwest Research Institute, SwRI No. 01.04917.01.214, July 2002, signed by Charles C. Bailey and Alex B. Wenzel.
- 6.4 Test report on static coefficient of friction under ASTM D 2047, SGS U.S. Testing Company, Inc., No. 168508-001, June 13, 2002, signed by Vincent J. Confortie and Frank Savino.

## 7. CODE REFERENCES

*Standard Building Code*® - 1999 Edition

Section 103.7	Alternate Materials and Methods
Chapter 15	Roofs and Roof Structures
Section 1503	Weather Protection
Section 1504.5	Physical Properties
Section 1505	Fire Classification
Section 1505.1	General
Section 1505.4	Class C Assemblies
Section 1506	Materials
Section 1508	Roof Coverings with Slopes Less Than 2:12
Section 1508.9	Liquid-applied Coatings
Chapter 23	Wood

International One and Two Family Dwelling Code -  
1998 Edition

Section 108	Alternate Materials and Systems
Chapter 5	Floors
Chapter 9	Roof Coverings
Section 901	General
Section 902	Deck Preparation

Florida Building Code 2001 - Building

Section 103.7	Alternate Materials and Methods
Chapter 15	Roofs and Roof Structures
Section 1503	Weather Protection
Section 1504.5	Physical Properties
Section 1505	Fire Classification
Section 1505.1	General
Section 1505.4	Class C Assemblies
Section 1506	Materials
Section 1508	Roof Coverings with Slopes Less Than 2:12
Section 1508.9	Liquid-applied Coatings
Chapter 23	Wood

## 8. COMMITTEE FINDINGS

The Committee on Evaluation in review of the data submitted finds that, in their opinion, Regal Decks Fiberglass Waterproofing as described in this report conforms with or is a suitable alternate to that specified in the *Standard Building Code*®, the International One and Two Family Dwelling Code, and the Florida Building Code 2001 - Building or Supplements thereto.

## 9. LIMITATIONS

- 9.1 This Evaluation Report and the installation instructions, when required by the code official, shall be submitted at the time of permit application.
- 9.2 The system shall only be applied over 3/4 inch tongue and groove plywood decking with a moisture content of 18 percent or less at time of application.
- 9.3 The system has not been evaluated for structural loads. Design calculations for the deck and deck supports must be provided to the code official for approval.

## 10. IDENTIFICATION

Each package of material used to install Regal Decks Fiberglass Waterproofing as covered by this report shall be labeled with the manufacturer's name and/or trademark, the SBCCI Public Safety Testing and Evaluation Services Inc. Seal or initials (SBCCI PST & ESI), and the number of this report for field identification.

## 11. PERIOD OF ISSUANCE

SEE THE CURRENT EVALUATION REPORT INDEX FOR STATUS OF THIS EVALUATION REPORT.

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