United States Testing Company, Inc.

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REPORT OF TEST

TILE INSTITUTE OF AMERICA
1325 Valley High Avenue
Thousand Oaks, CA 91362-1905

FLAME SPREAD CLASSIFICATION AND SMOKE DENSITY DEVELOPED

SOUND RATED FLOORING UNDERLAYMENT "CLA" BY BADGER CORK

September 15, 1994

TEST REPORT NO. **601581-1**

SIGNED FOR THE COMPANY

BY

Greg Banasky
Test Technician

Michael S. Elliott
Director/Fire Tech. Dept.

REFERENCES

1. Our confirmation to the Client dated September 12, 1994.

2. Test authorized by Mr. Gerald Halweg of Tile Institute of America.

3. Testing conducted on September 9, 1994.

4. Test samples received on September 9, 1994.

5. Testing witnessed by Mr. Gerald Helweg.

TEST REQUEST

Perform standard flame spread and smoke density developed classification tests on the sound rated flooring underlayment supplied by the Client in accordance with ASTM Designation E-84-91a. 'Standard Method of Test for Surface Burning Characteristics of Building Materials".

SAMPLE IDENTIFICATION

The sample tested was submitted and identified by the Client as:

Sound Rated Flooring Underlayment System "CLA" by Badger Cork

The system consists of the following components;

1 Ceramic Tile, glazed, 12 x 12 x 5/16 inch red body bisque.
2 Bond Coat, premium grade Consac, conforming to ANSI A 118.4.
3 Cementitious Backer Units, 7/16 inch thick, conforming to ANSI 118.9.
4 Global Technology System's "CLA" cork underlayment, 6 mm.

Overall Thickness: 1 1/4" nominal

Note: The tile surface was exposed to the flame source.

PREPARATION AND CONDITIONING

The material was supplied in sufficient quantity to form a sample 24" wide by 24' long conforming to test chamber dimensions.

TEST PROCEDURE

The sample was tested following calibration and preheating of the test chamber. The evaluation was performed in conformance with the specifications set forth in ASTM Designation E-84-91a, "Standard Method of Test for Surface Burning Characteristics of Building Materials", both as to equipment and test procedure. Test procedure and apparatus have been accredited (Lab. No. 0383) under the National Institute of Standards and Technology/NVLAP Program. The foregoing test procedure is comparable to UL 723, ANSI/NFPA No. 255, and UBC No. 42-1.

SUMMARY OF ASTM E84 RESULTS

Because of the possible variations in reproducibility, the results are adjusted to the nearest figure divisible by 5.

SAMPLE IDENTIFICATION	FLAME SPREAD	SMOKE DENSITY
Sound Rated Flooring Underlayment "CLA" by Badger Cork	0	0

In order to obtain the Flame Spread Classification, the above results should be compared to the following table:

NFPA CLASS	UBC CLASS	FLAME SPREAD
A	I	0 through 25
B	II	26 through 75
C	III	76 through 200

BUILDING CODES CITED

1. National Fire Protection Association, ANSI/NFPA No. 101, "Life Safety Code", 1991 Edition.

2. Uniform Building Code, 1991 Edition, Part VII, "Fire Resistive Standard for Fire Protection", Sections 4201-4205.

E-84 TEST DATA SHEET

CLIENT: Tile Institute of America DATE: 9/9/94

SAMPLE: Sound Rated Flooring Underlayment "CLA" by Badger Cork

OVERALL WEIGHT: N/A

THICKNESS: 1 1/4" nominal

FLAME SPREAD:

IGNITION: Did not ignite

FLAME FRONT: N/A

TIME TO MAXIMUM SPREAD: N/A

TEST DURATION: 10 minutes

CALCULATION: N/A

SUMMARY

FLAME SPREAD: 0

SMOKE DENSITY: 0

OBSERVATIONS

Sample surface ignition **did not** occurred during the 10 minute test period.

Appr'd by