

CLIENT: RUBBERECYCLE
1985 Rutgers Univ. Blvd Suite D
Lakewood, NJ 08701

Test Report No: RJ3835-1

Date: March 31, 2015

SAMPLE ID: The test samples are identified as: Aveer interlocking Rubber Tile as Manufactured by Rubberecycle. Thickness: 1/2" nominal.

SAMPLING DETAIL: Test samples were submitted to the laboratory directly by the client. No special sampling conditions or sample preparation were observed by QAI.

DATE OF RECEIPT: Samples were received at QAI on March 24, 2015

TESTING PERIOD: March 27, 2015

AUTHORIZATION: Testing authorized by Jeremy Morningstar. Proposal No. MB-2015-021801 dated February 18, 2015.

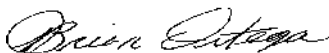
TEST REQUESTED: The submitted sample was tested for flammability in accordance with the procedures outlined in ASTM E648-14c "Standard Test Method for Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source". The foregoing test procedure is comparable to NFPA No. 253.

TEST RESULTS: Critical Radiant Heat Flux, Watts/cm²

0.33

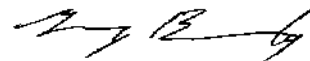
For detailed results see page 2.

Prepared By



Brian Ortega
Test Technician

**Signed for and on behalf of
QAI Laboratories, Inc.**



Greg Banasky
Senior Test Technician

PREPARATION AND CONDITIONING: The sample was supplied in three pieces, 10" wide by 42" long and backed with cement board.

Prior to clamping the floor covering system in the mounting frame, the specimens were conditioned at $21 \pm 3^\circ$ C and a relative humidity of $50 \pm 5\%$ and allowed to reach moisture equilibrium.

TEST PROCEDURE: The test chamber was pre-heated for one hour and the radiant panel black body temperature verified to be within 5° C of the temperature established during calibration. The pilot burner was ignited and the specimen inserted into the chamber. After a five minute pre-heat, the pilot burner flame was placed in contact with the specimen for five minutes, and then removed. The test was continued until all flaming ceased. The distance burned was measured and converted to Critical Radiant Heat Flux at flame out.

TEST RESULTS:	<u>Specimen Number</u>	<u>Burn Distance Centimeters</u>	<u>Critical Radiant Heat Flux, Watts/cm²</u>
	1	52.0	0.31
	2	51.0	0.32
	<u>3</u>	<u>49.0</u>	<u>0.35</u>
	Average	51.0	0.33

REQUIREMENTS: NFPA "Life Safety Code" provides the following classification for regulating interior flooring materials in specified occupancies:

CLASS I - Includes materials which have a minimum Critical Radiant Flux of 0.45 watts/cm².

CLASS II - Includes materials which have a minimum Critical Radiant Flux of 0.22 watts/cm².

Examples of the requirements for application of interior flooring material in exits and corridors for specified occupancies are listed below.

Health Care Centers Class I in new facilities and for newly installed flooring materials in existing facilities.

Child Care Centers Class I or II in both new and existing facilities.

Hotels and Dormitories Class I or II in both new and existing facilities.

Apartments Class I or II in both new and existing facilities.

End of Test