

To Whom It May Concern:

Given below are the results of recent ASTM E-662 (Specific Optical Density of Smoke Generated by Solid Materials) tests on Roppe products:

	Pinnacle Rubber Base	Vinyl Wall Base	Rubber Tile	Solid Vinyl Tile	Rubber Stair Tread
Ds @ 4.0min, flaming	119	126	101	376	283
Dm (corrected), flaming	256	216	408	377	312
Non-flaming	333	343	163	315	410

The testing was conducted by Commercial Testing Laboratory, Dalton, GA.

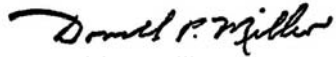
Sincerely,

 Donald P. Miller
 President/CEO
 Roppe Corporation

To Whom It May Concern:

To the best of our knowledge, Roppe Rubber Tile and Stair Treads do not emit significant amounts of any known harmful volatile organic compounds (VOCs) under normal use conditions.

Sincerely,



Donald P. Miller
President/CEO
ROPPE CORPORATION



To Whom It May Concern:

Roppe Lugback Vantage Profile Rubber Tile will support a load of 200 psi. Higher loads may leave an indentation on the surface, especially if applied over a small area, such as a chair or table leg. To avoid indentation, floor protectors should be used to distribute the load.

Sincerely,

A handwritten signature in black ink, which appears to read "Donald P. Miller".

Donald P. Miller
President/CEO
ROPPE CORPORATION



To Whom It May Concern:

This is to certify that Roppe Rubber Floor Tile complies with ASTM specification F1344-00 for Rubber Floor Tile. No form of asbestos is used in any Roppe tile.

Specifications are met on type, grade, color, design, thickness, sizes, material, and workmanship. We meet all general requirements.

Sincerely,

A handwritten signature in black ink that reads "Donald P. Miller".

Donald P. Miller
President/CEO
ROPPE CORPORATION

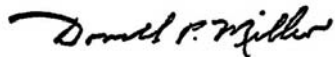
To Whom It May Concern:

Roppe Vantage Profile RCD tile was tested for sound absorption by ASTM C-432, Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method. In this test, approximately 70 square feet of tile is laid on the floor of the test room, and the reduction in sound of various frequencies is measured. An average value is then calculated, called the Noise Reduction Coefficient (NRC). Values range from 0 (no reduction) to 1 (complete absorption of sound). Typical values are shown below:

	NRC
Concrete	0
Roppe RCD Rubber Tile	0.05
Wood floor over concrete	0.05
Linoleum	0.05
Heavy carpet	0.30
Heavy carpet over foam padding	0.55
Acoustic ceiling panel	0.95

Thus, rubber and other resilient flooring do not reduce airborne sound such as the sound of equipment, conversations, etc. However, there would be some reduction, when compared to hard flooring, in sound generated when objects are dropped on the floor by foot traffic, etc.

Sincerely,



Donald P. Miller
President/CEO
ROPPE CORPORATION

To Whom It May Concern:

Our Rubber Tile and Stair Treads have been tested for the properties listed below in accordance with the appropriate test procedures.

We hereby certify that the following typical results are true and accurate:

Property	Test	Tile Results	Stair Tread Results
Tensile Strength, psi	ASTM D-412	1200-1400 psi	700-800 psi
Elongation at break, %	ASTM D-412	120-140	200-250
Hardness, Shore A	ASTM D-2240	85-90	85-90
Taber Abrasion, weight loss, g (H-18 Calibrate, 500 gms.) 1000 cycles	ASTM D-3389	(1) less than 0.6 g ms. Loss	(1) less than 1.0
Coefficient of Friction (James Test)	ASTM D-2047-75	0.75	0.7
Flame Spread Index	ASTM E-162	(2) 45	—
Radiant Panel, Critical Flux, watts/cm ²	ASTM E-648	(3) 1.03 watts/cm ²	(3) 1.02 watts/cm ²

Solvents to avoid: Aromatic and aliphatic hydrocarbons, halogenated types

1. This is a standard test for floor abrasion with a low result being most desirable.
2. By way of comparison, standard particleboard has a Flame Spread Index of up to 400.
3. By way of comparison, we're advised that at a rating of .10-watts/cm² carpet will not cigarette burn, and hospitals commonly specify a rating of not less than .50 watts/cm². The higher value indicates grater fire resistance.

Sincerely,



Donald P. Miller
President/CEO
ROPPE CORPORATION

To Whom It May Concern:

This letter pertains to the inquiries regarding whether Roppe products meet the Class A 25 or less flame spread specified in the ASTM E-84-81A test: Surface Burning Characteristics of Building Materials.

We concur with the National Fire Protection Association (Life Safety Code Handbook: page 252 6-5,4; page 254 6-5.4.1; and 6-5.4.2), which states that during an actual fire situation, floor coverings are subjected to heat energy that is radiant in nature. It has been proven in full-scale fire test data that the level of energy radiating onto the floor is a significant determinant as to whether or not a progressive flaming will occur.

Also proven is that floor coverings of modest resistance to flame spread are unlikely to become involved in the early growth of a fire. Therefore, we concur with the NFPA, "when judgment is made to regulate floor coverings, the evaluation is to be made based upon tests conducted in accordance with NFPA 253, Standard Method of Test for Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source, also known as ASTM E648."

The above classification is also recommended by the BOCA (Building Officials & Code Administrators International Inc.) codes.

Our standard materials, when tested in accordance with ASTM E648, are rated as Class I products. Our standard compound material is also Halogen free. When manufacturing a product to meet the Class A fire rating, the ingredients added contain chlorine, and they could produce, upon burning, chlorine, hydrogen-chloride, and other chlorine containing compounds.

Sincerely,



Donald P. Miller
President/CEO
ROPPE CORPORATION