



TEST REPORT

DATE: 01-11-2018

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TEST NUMBER: 0243052

CLIENT	Urban Surfaces
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TEST METHOD CONDUCTED	ASTM F2421 Test Method for Size and Squareness of Resilient Floor Tile by Dial Gage Method
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DESCRIPTION OF TEST SAMPLE	
IDENTIFICATION	Alamo Click
CONSTRUCTION	Floating Floor Plank

GENERAL PRINCIPLE

This test method covers the determination of both dimensions (length and width) and squareness of resilient floor tile. The gage dials were set and reported as deviation from the zero point of the specified size. Results are listed in inches.

TEST RESULTS

Specified Size in Inches	
Length	Width
47.992	7.047

#1		Squareness Gage	Gage B	Gage C	Gage D	Gauge E
First Set	1	0.001	7.050	7.050	7.055	47.974
Rotation 1	2	0.001	7.055	7.050	7.050	47.974
Flip 1	3	0.002				
Rotation 2	4	0.000				

		Per Linear Ft
Length Deviation	-0.018	-0.005
Width Deviation Left	0.003	0.005
Width Deviation Center	0.003	0.005
Width Deviation Right	0.008	0.014

Squareness Deviation	
Corner 1	0.001
Corner 2	0.001
Corner 3	0.002
Corner 4	0.000

APPROVED BY:

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TEST METHOD CONDUCTED	ASTM F2421 Test Method for Size and Squareness of Resilient Floor Tile by Dial Gage Method
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DESCRIPTION OF TEST SAMPLE	
IDENTIFICATION	Alamo Click
CONSTRUCTION	Floating Floor Plank

#2		Squareness Gage	Gage B	Gage C	Gage D	Gauge E
First Set	1	0.000	7.050	7.049	7.048	47.984
Rotation 1	2	0.002	7.048	7.049	7.050	47.984
Flip 1	3	0.004				
Rotation 2	4	0.002				

		Per Linear Ft
Length Deviation	-0.008	-0.002
Width Deviation Left	0.003	0.005
Width Deviation Center	0.002	0.003
Width Deviation Right	0.001	0.002

Squareness Deviation	
Corner 1	0.000
Corner 2	0.002
Corner 3	0.004
Corner 4	0.002

#3		Squareness Gage	Gage B	Gage C	Gage D	Gauge E
First Set	1	0.003	7.053	7.051	7.052	47.986
Rotation 1	2	0.000	7.052	7.051	7.053	47.986
Flip 1	3	0.001				
Rotation 2	4	0.003				

		Per Linear Ft
Length Deviation	-0.006	-0.002
Width Deviation Left	0.006	0.010
Width Deviation Center	0.004	0.007
Width Deviation Right	0.005	0.009

Squareness Deviation	
Corner 1	0.003
Corner 2	0.000
Corner 3	0.001
Corner 4	0.003

APPROVED BY: *Gary Anthony*

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CLIENT	Urban Surfaces
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TEST METHOD CONDUCTED	ASTM D2047 James Machine - Coefficient of Friction on Flooring Material
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DESCRIPTION OF TEST SAMPLE	
IDENTIFICATION	Alamo Click
CONSTRUCTION	Floating Floor Plank

GENERAL PRINCIPLE

This test was used to measure the relative static coefficient of friction by using the James Machine.

TEST RESULTS

TEST ENVIRONMENT	69° F 50% Relative Humidity
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Sensor Materials	Dry
Leather	0.52

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TEST NUMBER:0243052

CLIENT	Urban Surfaces
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TEST METHOD CONDUCTED	ASTM E648 Standard Test Method for Critical Radiant Flux of Floor Covering Systems Using A Radiant Heat Energy Source, also referenced as NFPA 253 and FTM Standard 372
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DESCRIPTION OF TEST SAMPLE	
IDENTIFICATION	Alamo Click
CONSTRUCTION	Floating Floor Plank

GENERAL PRINCIPLE

This procedure is designed to measure the critical radiant flux at flame out of horizontally mounted floor covering systems exposed to a flaming ignition in a test chamber which provides a graded radiant heat energy environment. The imposed radiant flux simulates the thermal radiation levels likely to impinge on the floors of a building whose upper surfaces are heated by flames from a fully developed fire in an adjacent room or compartment. The test result is an average critical radiant flux (watts/square cm) which indicates the level of radiant heat energy required to sustain flame propagation in the flooring system once it has been ignited. A minimum of three test specimens are tested and the results are averaged. Theoretically, if a room fire does not impose a radiant flux that exceeds this critical level on a corridor floor covering system, flame spread will not occur.

The NFPA Life Safety Code 101 specifies as Class 1 Critical Radiant Flux of .45 watts/sq cm or higher and Class 2 Critical Radiant Flux as .22 - .44 watts/sq cm.

FLOORING SYSTEM ASSEMBLY			
SUBSTRATE	Mineral-Fiber/Cement Board	UNDERLAYMENT	Direct Glue Down
ADHESIVE	Advanced Adhesive 275	CONDITIONING	Minimum of 96 hours at 70 ±5°F and 50 ± 5% relative humidity

	Distance Burned	Time To Flame Out	Critical Radiant Flux
Specimen 1	18 cm	5 minutes	0.93 watts/square cm
Specimen 2	16 cm	5 minutes	0.97 watts/square cm
Specimen 3	15 cm	5 minutes	1.01 watts/square cm

Average Critical Radiant Flux	0.97 Watts/Square Cm
Standard Deviation	0.03 Watts/Square Cm
Coefficient of Variation	3.37 %

NOTE: Meets or exceeds Class 1 rating as specified in NFPA Life Safety Code 101.

APPROVED BY:



714 Glenwood Place

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TEST REPORT

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TEST NUMBER: 0243052

CLIENT	Urban Surfaces
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TEST METHOD CONDUCTED	ASTM E662 Smoke Density (Flaming) Standard Test Method for Specific Optical Density of Smoke Generated by Solid Materials also referenced as NFPA 258
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DESCRIPTION OF TEST SAMPLE	
IDENTIFICATION	Alamo Click
CONSTRUCTION	Floating Floor Plank

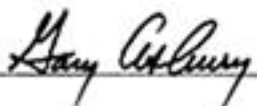
GENERAL PRINCIPLE

This procedure is designed to measure the specific optical density of smoke generated by the test specimen within a closed chamber. Each specimen is exposed to an electrically heated radiant-energy source positioned to provide a constant irradiance level of 2.5 watts/square cm on the specimen surface. Measurements are recorded through a photometric system employing a vertical beam of light and a photo detector positioned to detect the attenuation of light transmittance caused by smoke accumulation within the chamber. The light transmittance measurements are used to calculate specific optical density, a quantitative value which can be factored to estimate the smoke potential of materials. Two burning conditions can be simulated by the test apparatus. The radiant heating in the absence of ignition is referred to as the Non-Flaming Mode. A flaming combustion in the presence of supporting radiation constitutes the Flaming Mode.

CONDITIONS			
PREDRYING OF TEST SAMPLE	24 Hours at 140° F		
CONDITIONING OF TEST SAMPLE	24 Hours at 70° F and 50% Relative Humidity		
TESTING CONDITION	As Received		
FURNACE VOLTAGE	118 V	IRRADIANCE	2.5 watts/sq cm
CHAMBER TEMPERATURE	95° F	CHAMBER PRESSURE	3" H ₂ O
TEST MODE	Flaming		

AVERAGE MAXIMUM DENSITY CORRECTED (Dmc)	FLAMING		
	437		
AVERAGE SPECIFIC OPTICAL DENSITY AT 4.0 MINUTES	375		
	Specimen 1	Specimen 2	Specimen 3
Maximum Density (Dm)	480.0	476.0	498.0
Time to Dm (minutes)	6.0	5.5	6.5
Clear Beam (Dc)	47.0	40.0	56.0
Corr. Max Density (Dmc)	433.0	436.0	442.0
Density at 1.5 minutes	124.0	134.0	139.0
Density at 4.0 minutes	362.0	379.0	384.0
Time to 90% Dm (minutes)	4.5	4.5	5.0
Specimen Weight (grams)	51.8	51.6	52.0

* This sample PASSES the requirements of 450 or less.

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CLIENT	Urban Surfaces
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TEST METHOD CONDUCTED	ASTM E662 Smoke Density (Non-Flaming) Standard Test Method for Specific Optical Density of Smoke Generated by Solid Materials also referenced as NFPA 258
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DESCRIPTION OF TEST SAMPLE	
IDENTIFICATION	Alamo Click
CONSTRUCTION	Floating Floor Plank

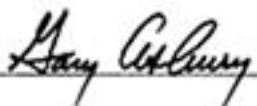
GENERAL PRINCIPLE

This procedure is designed to measure the specific optical density of smoke generated by the test specimen within a closed chamber. Each specimen is exposed to an electrically heated radiant-energy source positioned to provide a constant irradiance level of 2.5 watts/square cm on the specimen surface. Measurements are recorded through a photometric system employing a vertical beam of light and a photo detector positioned to detect the attenuation of light transmittance caused by smoke accumulation within the chamber. The light transmittance measurements are used to calculate specific optical density, a quantitative value which can be factored to estimate the smoke potential of materials. Two burning conditions can be simulated by the test apparatus. The radiant heating in the absence of ignition is referred to as the Non-Flaming Mode. A flaming combustion in the presence of supporting radiation constitutes the Flaming Mode.

CONDITIONS			
PREDRYING OF TEST SAMPLE	24 Hours at 140° F		
CONDITIONING OF TEST SAMPLE	24 Hours at 70° F and 50% Relative Humidity		
TESTING CONDITION	As Received		
FURNACE VOLTAGE	118 V	IRRADIANCE	2.5 watts/sq cm
CHAMBER TEMPERATURE	95° F	CHAMBER PRESSURE	3" H ₂ O
TEST MODE	Non-Flaming		

AVERAGE MAXIMUM DENSITY CORRECTED (Dmc)	NON-FLAMING		
	373		
AVERAGE SPECIFIC OPTICAL DENSITY AT 4.0 MINUTES	105		
	Specimen 1	Specimen 2	Specimen 3
Maximum Density (Dm)	369.0	384.0	375.0
Time to Dm (minutes)	17.0	15.0	16.0
Clear Beam (Dc)	2.0	4.0	3.0
Corr. Max Density (Dmc)	367.0	380.0	372.0
Density at 1.5 minutes	2.0	8.0	5.0
Density at 4.0 minutes	96.0	117.0	101.0
Time to 90% Dm (minutes)	14.0	13.0	13.5
Specimen Weight (grams)	52.6	52.3	52.4

* This sample PASSES the requirements of 450 or less.

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TEST REPORT

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TEST NUMBER: 0244992

CLIENT	Urban Surfaces
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TEST METHOD CONDUCTED	ASTM F137 Test Method for Flexibility of Resilient Flooring Materials with Cylindrical Mandrel Apparatus
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DESCRIPTION OF TEST SAMPLE	
IDENTIFICATION	Sound Tec
CONSTRUCTION	Floor Plank

GENERAL PRINCIPLE

The flexibility of a specimen is determined by flexing the material around mandrels of varying sizes. The mandrel sizes range from 6 mm to 120 mm in diameter. The specimen is flexed 180° around the mandrel and then examined for cracking or breaking. If none exists, the procedure is repeated on the next smaller mandrel. The procedure is continued until the material breaks or cracks or until the smallest mandrel is passed.

TEST RESULTS

RESULT	PASSES 75 mm Mandrel
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TEST NUMBER: 0243052

CLIENT	Urban Surfaces
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TEST METHOD CONDUCTED	ASTM F386 Standard Test Method for Thickness of Resilient Flooring Materials Having Flat Surfaces
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DESCRIPTION OF TEST SAMPLE	
IDENTIFICATION	Alamo Click
CONSTRUCTION	Floating Floor Plank

GENERAL PRINCIPLE

The total thickness of a resilient flooring material is determined through measurements made using a .250 inch presser foot and a dial micrometer. The average of 5 total measurements is reported as the average total thickness.

TEST RESULTS

		THICKNESS
	SPECIMEN 1	0.240 Inch
	SPECIMEN 2	0.240 Inch
	SPECIMEN 3	0.239 Inch
	SPECIMEN 4	0.242 Inch
	SPECIMEN 5	0.241 Inch
AVERAGE TOTAL THICKNESS		0.240 Inch

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CLIENT	Urban Surfaces
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TEST METHOD CONDUCTED	ASTM F387 Standard Test Method for Measuring Thickness of Resilient Floor Covering with Foam Layer
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DESCRIPTION OF TEST SAMPLE	
IDENTIFICATION	Sound Tec
CONSTRUCTION	Floor Plank

GENERAL PRINCIPLE

The total thickness of a resilient flooring material is determined through measurements made using a .250 inch presser foot and a dial micrometer. The average of 5 total measurements is reported as the average total thickness.

TEST RESULTS

	THICKNESS
SPECIMEN 1	0.249 Inch
SPECIMEN 2	0.250 Inch
SPECIMEN 3	0.248 Inch
SPECIMEN 4	0.249 Inch
SPECIMEN 5	0.250 Inch

AVERAGE TOTAL THICKNESS	0.249 Inch
--------------------------------	------------

CORE	PAD	VINYL
0.156 Inch	0.071 Inch	0.022 Inch

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TEST NUMBER: 0244992

CLIENT	Urban Surfaces
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TEST METHOD CONDUCTED	ASTM F410 Standard Test Method for Wear Layer Thickness of Resilient Floor Coverings by Optical Measurement
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DESCRIPTION OF TEST SAMPLE	
IDENTIFICATION	Sound Tec
CONSTRUCTION	Floor Plank

GENERAL PRINCIPLE

The thickness of the wear layer of resilient non-textile floor coverings is determined by microscopic optical measurement. The specimen is examined in three areas and measurements are made on the outer most layer of the composite material. The measurements are recorded to the .001 inch and averaged.

TEST RESULTS

	THICKNESS	
SPECIMEN 1	0.024 inch	0.60 mm
SPECIMEN 2	0.024 inch	0.61 mm
SPECIMEN 3	0.024 inch	0.62 mm
SPECIMEN 4	0.024 inch	0.61 mm
SPECIMEN 5	0.024 inch	0.60 mm
AVERAGE TOTAL THICKNESS	0.024 Inch	0.61 mm

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CLIENT	Urban Surfaces
TEST METHOD CONDUCTED	ASTM F925 (Regular) Standard Test Method for Resistance to Chemicals of Resilient Flooring
DESCRIPTION OF TEST SAMPLE	
IDENTIFICATION	Alamo Click
CONSTRUCTION	Floating Floor Plank

TEST RESULTS

5 MINUTE RATINGS	24 HOUR RATINGS
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STAINING AGENT	SURFACE DULLING	SURFACE ATTACK	COLOR CHANGE	SURFACE DULLING	SURFACE ATTACK	COLOR CHANGE
5% Acetic Acid	0	0	0	0	0	0
70% Isopropyl Alcohol	0	0	0	0	0	0
Mineral Oil	0	0	0	0	0	0
5% Sodium Hydroxide	0	0	0	0	0	0
5% Hydrochloric Acid	0	0	0	0	0	0
5% Ammonia	0	0	0	0	0	0
Bleach	0	0	0	0	0	0
5% Phenol	0	0	0	0	0	0
Gasoline	0	0	0	0	0	0
Sulfuric Acid	0	0	0	0	0	0
Kerosene	0	0	0	0	0	0
Olive Oil	0	0	0	0	0	0

RATING KEY
0 - No change (----)
1 - Slight change
2 - Moderate change
3 - Severe change

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TEST NUMBER: 0243052

CLIENT	Urban Surfaces
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TEST METHOD CONDUCTED	ASTM F970 Standard Test Method for Static Load Limit
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DESCRIPTION OF TEST SAMPLE	
IDENTIFICATION	Alamo Click
CONSTRUCTION	Floating Floor Plank

GENERAL PRINCIPLE

This test determines the recovery properties of resilient floor covering after long term indentation test (24 hours) under a specified load.

PROCEDURE

The test sample is conditioned to equilibrium at 73° F and 50% relative humidity. The initial thickness of the sample is determined using a dial micrometer with a flat presser foot .250 inches in diameter. A specified load is applied to the sample over a 1.125 inch diameter indenter foot for 24 hours. After removal of the load, the sample is allowed to recover for 24 hours. The sample is regauged using the .250 inch diameter presser foot. The difference between the two measurements is reported as the residual compression.

TEST RESULTS

SPECIFIED LOAD	RESIDUAL COMPRESSION
250 psi	0.014 Inch*
2,000 psi	0.036 Inch*

***NOTE: Cushion heavily influenced the thickness loss.**

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CLIENT	Urban Surfaces
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TEST METHOD CONDUCTED	ASTM F1514 Measuring Heat Stability of Resilient Flooring by Color Change
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DESCRIPTION OF TEST SAMPLE	
IDENTIFICATION	Alamo Click
CONSTRUCTION	Floating Floor Plank

GENERAL PRINCIPLE

The test specimens are exposed to heat for 7 continuous days in an air circulating chamber. The materials are read using a spectrophotometer for the baseline color value and then read after the exposure. The Delta E is listed to show the color value change resulting from each exposure.

TEST RESULTS

	DELTA E (ΔE) Rating	Gray Scale Rating
Heat Aged Sample 1	0.38	5.0
Heat Aged Sample 2	0.35	5.0
Heat Aged Sample 3	0.36	5.0

Test requirements of < 8.0 Delta E were met by the tested samples.

AATCC RATING KEY	
5	No change
4	Slight change
3	Noticeable change
2	Considerable change
1	Severe change

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CLIENT	Urban Surfaces
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TEST METHOD CONDUCTED	ASTM F1515 Measuring Light Stability of Resilient Flooring by Color Change
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DESCRIPTION OF TEST SAMPLE	
IDENTIFICATION	Alamo Click
CONSTRUCTION	Floating Floor Plank

GENERAL PRINCIPLE

The test specimens are exposed to accelerated light via xenon light using the standard irradiance as listed in the method. The materials are read using a spectrophotometer for the baseline color value and then read after 100, 200, and 300 hours of exposure. The Delta E is listed to show the color value change resulting from each exposure.

TEST RESULTS

	DELTA E (ΔE) Rating	Gray Scale Rating
100 AFU Exposed Sample	0.85	4.5
200 AFU Exposed Sample	2.16	4.0
300 AFU Exposed Sample	7.01	2.0

Test requirements of < 8.0 Delta E MEETS specified criteria.

AATCC RATING KEY	
5	No change
4	Slight change
3	Noticeable change
2	Considerable change
1	Severe change

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CLIENT	Urban Surfaces
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TEST METHOD CONDUCTED	ASTM F1914 Test Method for Short-Term Indentation and Residual Indentation of Resilient Floor Covering
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DESCRIPTION OF TEST SAMPLE	
IDENTIFICATION	Alamo Click
CONSTRUCTION	Floating Floor Plank

PROCEDURE

A test sample is loaded with 140 lbs. on a presser foot .178 inches in diameter for 10 minutes. After 60 minutes of recovery time the indentation is measured again and compared to the original thickness of the sample.

TEST RESULTS

RESIDUAL INDENTATION AT 140 Lbs.	0.003 Inch (1.30%)
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CLIENT	Urban Surfaces
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TEST METHOD CONDUCTED	ASTM F2199 Test Method for Determining Dimensional Stability of Resilient Floor Tile after Exposure to Heat
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DESCRIPTION OF TEST SAMPLE	
IDENTIFICATION	Alamo Click
CONSTRUCTION	Floating Floor Plank

GENERAL PRINCIPLE

This test method is intended for use in determining the linear change of resilient flooring after being exposed to heat. The dimensional change over 12 inches is reported as the dimensional stability.

TEST RESULTS

REPLICATE	IDENTIFICATION	RESULT
#1	Length	-0.012 Inch per 12 inches (-0.10%)
	Width	-0.003 Inch per 12 inches (-0.03%)
#2	Length	-0.007 Inch per 12 inches (-0.06%)
	Width	-0.003 Inch per 12 inches (-0.03%)
#3	Length	-0.028 Inch per 12 inches (-0.23%)
	Width	-0.002 Inch per 12 inches (-0.03%)

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CLIENT	Urban Surfaces
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TEST METHOD CONDUCTED	CPSC-CH-C1001-09.3 Phthalates
------------------------------	-------------------------------



DESCRIPTION OF TEST SAMPLE	
IDENTIFICATION	Alamo Click
CONSTRUCTION	Floating Floor Plank

GENERAL PRINCIPLE

The submitted material was tested via CPSC-C1001-09.3 in order to determine the level of phthalate compounds present in the material. The specimen was tested in duplicate. The machine detection limit is 50 ppm.

TEST RESULTS

COMPOUND	RESULT
Bis (2-ethylhexyl) Phthalate (DEHP)	<0.1 ppm
Butyl benzyl Phthalate (BBP)	<0.1 ppm
Di isodecyl Phthalate (DIDP)	<0.1 ppm
Di isononyl Phthalate (DINP)	<0.1 ppm
Di-n-Butyl Phthalate (DNBP)	<0.1 ppm
Di-n-hexyl phthalate (DNHP)	<0.1 ppm
Di-n-Octylphthalate (DNOP)	<0.1 ppm

COMMENTS

This material **meets** the CPSIA Guidelines as specified.

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TEST NUMBER: 0244992

CLIENT	Urban Surfaces
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TEST METHOD CONDUCTED	ISO 23999 Resilient Floor Covering - Determination of Dimensional Stability and Curling After Exposure to Heat
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DESCRIPTION OF TEST SAMPLE	
IDENTIFICATION	Sound Tec
CONSTRUCTION	Floor Plank

GENERAL PRINCIPLE

This International Standard specifies a method for determining dimensional stability and curling of resilient floor coverings, in the form of sheets and tiles, in linear dimensions after exposure to heat. The vertical deformations are measured in the test specimen after the specified heat treatment. Test specimens are placed in an oven at an elevated temperature, after which curl and dimensional stability are determined. In the case of domed material, turn the test specimen over to measure inverted or with the back of the sample facing up.

TEST RESULTS

IDENTIFICATION	RESULT	INITIAL CURL	FINAL CURL
Length mean	-0.46 mm (-0.15%)	0 mm	0.42 mm
Width mean	-0.02 mm (-0.01%)		

APPROVED BY:

This report is provided for the exclusive use of the client to whom it is addressed. It may be used in its entirety to gain product acceptance from duly constituted authorities. This report applies only to those samples tested and is not necessarily indicative of apparently identical or similar products. This report, or the name of Professional Testing Laboratory Inc. shall not be used under any circumstance in advertising to the general public.



TEST REPORT

DATE: 03-07-2018

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TEST NUMBER: 0244992

CLIENT	Urban Surfaces
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TEST METHOD CONDUCTED	ISO 24337 Laminate Floor Coverings - Determination of Geometrical Characteristics
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DESCRIPTION OF TEST SAMPLE	
IDENTIFICATION	Sound Tec
CONSTRUCTION	Floor Plank

GENERAL PRINCIPLE

The submitted goods were measured to determine geometrical values for size, squareness, straightness, height deviations, and gapping when applied together. All values listed are in mm.

TEST RESULTS

CHARACTERISTIC	VALUE (mm)
Thickness	6.587
Length	1218.073
Width	179.126
Squareness (out of square)	0.057
Straightness	0.044
Width Flatness	0.014
Length Flatness	0.018
Openings Between Elements	0.007
Height Difference Between Elements	0.013

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