

TEST REPORT

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Summary of results:

(Average value)

Test item(s)	Test method(s)	Test result(s)
Absorption by weight	Refer to ASTM C97/C97M-15	0.04 %
Density		2322 kg/m ³
Abrasion resistance (polished)	Refer to ASTM C241/C241M-15 ^{cl}	38
Modulus of rupture	Refer to ASTM C99/C99M-15	Dry condition: 66.3 MPa
		Wet condition: 83.5 MPa
Flexural strength	Refer to ASTM C880/C880M-15	Dry condition: 67.9 MPa
		Wet condition: 82.4 MPa
Compressive strength	Refer to ASTM C170/C170M-16	Dry condition: 275 MPa
		Wet condition: 277 MPa
Cigarette test	Refer to ANSI Z124.6-2007	After test, there were no visible stains remains.
High temperature resistance	Refer to NEMA LD-3-2005	No effect
Chemical resistance test (polished)	Refer to ANSI Z124.6-2007	Unaffected
Impact resistance	Refer to NEMA LD-3-2005	Samples intact after ball falling from the height of 2.6 metres
Antimicrobial activity test	ASTM G 21-15	0 Grade
Surface burning characteristics	ASTM E84-16	Class A

Note: The test of Resistance to Fungi, Surface burning characteristics were carried out by SGS internal laboratories.

***** To be continued*****

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3. Modulus of rupture

Test Method:

Refer to ASTM C99/C99M-15 Standard Test Method for Modulus of Rupture of Dimension Stone

Specimens: artificial stone, 200mm×100mm×30mm, 10pcs, one face polished

Test Result:

Dry condition:

Specimens identification No.	1	2	3	4	5
Individual modulus of rupture value (MPa)	71.3	69.0	64.1	64.3	63.0
Mean modulus of rupture value (MPa)	66.3				
Standard deviation (MPa)	3.7				

Wet condition:

Specimens identification No.	1	2	3	4	5
Individual modulus of rupture value (MPa)	82.5	81.9	88.2	83.9	81.2
Mean modulus of rupture value (MPa)	83.5				
Standard deviation (MPa)	2.8				

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4. Flexural strength

Test Method:

Refer to ASTM C880/C880M-15 Standard Test Method for Flexural Strength of Dimension Stone

Specimens: artificial stone, 350mm×100mm×30mm, 10pcs, one face polished

Test Result:

Dry Condition:

Specimens identification No.	1	2	3	4	5
Individual flexural strength value (MPa)	70.4	67.2	67.4	73.8	60.7
Mean flexural strength value (MPa)	67.9				
Standard deviation (MPa)	4.9				

Wet Condition:

Specimens identification No.	1	2	3	4	5
Individual flexural strength value (MPa)	85.1	85.2	85.1	79.7	76.8
Mean flexural strength value (MPa)	82.4				
Standard deviation (MPa)	4.0				

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5. Compressive strength

Test Method:

Refer to ASTM C170/C170M-16 Standard Test Method for Compressive Strength of Dimension Stone
Specimens: artificial stone, 50mm×50mm×30mm, 10pcs, one face polished

Test Result:

Dry Condition:

Specimens identification No.	1	2	3	4	5
Individual compressive strength value (MPa)	277	275	274	277	274
Mean compressive strength value (MPa)	275				
Standard deviation (MPa)	2				

Wet Condition:

Specimens identification No.	1	2	3	4	5
Individual compressive strength value (MPa)	275	275	278	279	277
Mean compressive strength value (MPa)	277				
Standard deviation (MPa)	2				

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6. Cigarette test

Test Method:

Refer to ANSI Z124.6-2007 Plastic Sinks - 5.4 Cigarette test

Specimens: artificial stone, 100mm×100mm×20mm, 3pcs, one face polished

Testing surface: polished

Test Result:

After test, there were no visible stains remains.

7. High temperature resistance test

Test Method:

Refer to NEMA LD-3-2005 High-Pressure Decorative Laminates - 3.6 High temperature resistance

Specimens: artificial stone, 200mm×200mm×20mm, 2pcs, one face polished

Testing surface: polished

Hot wax method

Test Result:

Specimens identification No.	1	2
Test result(s)	No effect	No effect

Note:

a. No effect – no change in color or surface finish.

b. Slight effect – a change in color or surface finish only visible at certain angles or directions.

c. Moderate effect – a change in color or surface finish visible from all angles and directions, but does not appreciably alter the original condition of the specimen.

d. Severe effect – a change in color or surface finish which obviously and markedly alters the original condition of the specimen.

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8. Chemical resistance test

Test Method:

Refer to ANSI Z124.6-2007 Plastic Sinks - 5.5 Chemical resistance test

Specimens: artificial stone, 100mm×100mm×20mm, 15pcs; one faces polished

Testing surface: polished

Test Result:

Reagents	Test results	
	(covered)	(uncovered)
Naphtha	Unaffected	Unaffected
Ethyl alcohol	Unaffected	Unaffected
Amyl acetate	Unaffected	Unaffected
Commercial household ammonia (10% V/V)	Unaffected	Unaffected
Citric acid (10%)	Unaffected	Unaffected
Urea (6%)	Unaffected	Unaffected
Hydrogen peroxide solution (3%)	Unaffected	Unaffected
Concentrated sodium hypochlorite solution (effective chlorine ≥8%)	Unaffected	Unaffected
Toluene	Unaffected	Unaffected
Ethyl acetate	Unaffected	Unaffected
Lye solution (2% sodium hydroxide)	Unaffected	Unaffected
Acetone	Unaffected	Unaffected
Trisodium phosphate (5%)	Unaffected	Unaffected
Vinegar	Unaffected	Unaffected
Pine oil	Unaffected	Unaffected

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9. Ball impact resistance

Test Method:

Refer to NEMA LD-3-2005 High-Pressure Decorative Laminates - 3.8 Ball impact resistance

Specimens: artificial stone, 300mm×300mm×20mm, 6pcs, one face polished

Testing surface: polished

Test Result:

Specimens identification No.	1	2	3
Drop height(damage), h (m)	>2.6	>2.6	>2.6
Drop height(undamage), h (m)	>2.6	>2.6	>2.6
Mean value h (m)	>2.6		

***** To be continued*****



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11. Surface Burning Characteristics

Test Method:

This test was conducted in accordance with ASTM E84-16 Standard Test Method for Surface Burning Characteristics of Building Materials

Introduction:

The method, designated as ASTM E84-16, "Standard Method of Test for Surface Burning Characteristics of Building Materials", is designed to determine the relative surface burning characteristics of materials under specific test conditions. Results are expressed in terms of flame spread index (FSI) and smoke developed index (SDI).

The purpose of this test method is to determine the relative burning behavior of the material by observing the flame spread along the specimen. Flame spread and smoke developed index are reported. However, there is not necessarily a relationship between these two measurements.

Test Procedure:

The tunnel is preheated to 150°F, as measured by the floor-embedded thermocouple located 23.25 feet downstream of the burner ports, and allowed to cool to 105°F, as measured by the floor-embedded thermocouple located 13 feet from the burners. At this time the tunnel lid is raised and the test sample is placed along the ledges of the tunnel so as to form a continuous ceiling 24 feet long, 12 inches above the floor. The lid is then lowered into place.

Upon ignition of the gas burners, the flame spread distance is observed and recorded every 15 seconds. Flame spread distance versus time is plotted ignoring any flame front recessions. If the area under the curve (A) is less than or equal to 97.5 min-ft, $FSI = 0.515 \cdot A$; if greater, $FSI = 4900 / (195 - A)$. Smoke developed is determined by comparing the area under the obscuration curve for the test sample to that of inorganic reinforced cement board and red oak, arbitrarily established as 0 and 100, respectively.

Sample Description:

Thickness	:	Approximately 10mm
Exposed face	:	Smooth face

***** To be continued *****



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Sample Preparation:

Prior to testing, the specimen was conditioned to constant weight at a temperature of $73 \pm 5^\circ\text{F}$ ($23 \pm 3^\circ\text{C}$) and a relative humidity of $50 \pm 5\%$.

The test specimen consisted of a total of 12 sections of material. The sections were butted together during testing to form the requisite specimen length. The specimen was self-supporting on the ledges of the test chamber.

Test Results:**Test data and observations:**

Ignition time:	90 seconds.
Maximum flame spread (ft):	7
Time To Maximum Spread:	7 minutes 0 seconds.
Fallout:	Yes
Test Duration:	10 minutes.
FS*Time area (ft ² *min):	40.6
Smoke area (%A*min):	391.3
Red oak smoke area (%A*min):	90.8

Summary of results:

Flame-spread Index (FSI)	Smoke-developed Index (SDI)
20	450

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Rating:

The National Fire Protection Association Life Safety Code 101, "Interior Wall and Ceiling Finish Classification", has a means of classifying materials with respect to Flame Spread and Smoke Developed when tested in accordance with NFPA 255, (ASTM E84) "Method of Test of Surface Burning Characteristics of Building Materials".

The classifications are as follows:

	Flame-Spread Index (FSI)	Smoke-developed Index(SDI)
Class A	0 - 25	0 - 450
Class B	26 - 75	0 - 450
Class C	76 - 200	0 - 450

Conclusion:

Refer to the National Fire Protection Association Life Safety Code 101, "Interior Wall and Ceiling Finish Classification", the submitted sample meets the requirement of Class A.

Appendix 1-Graphs:



Graph1. Flame Spread Index

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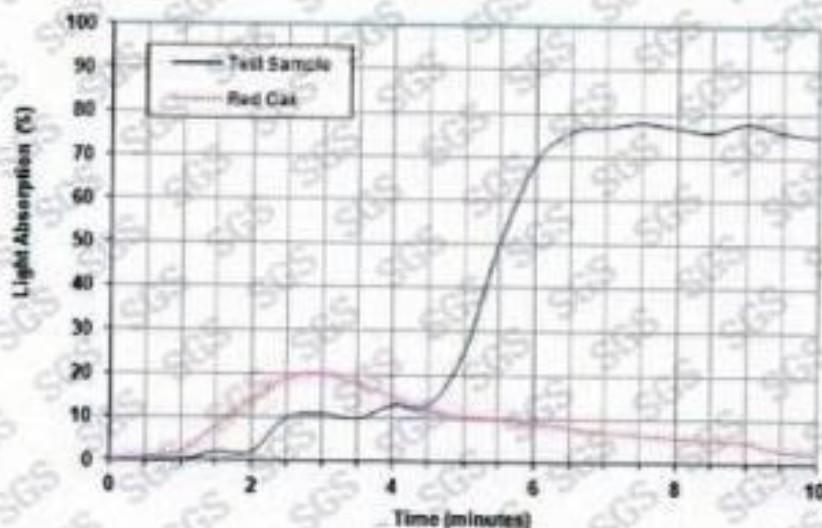
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Graph2. Smoke Developed Index

Specimen photographs:



Specimen for Antimicrobial activity test

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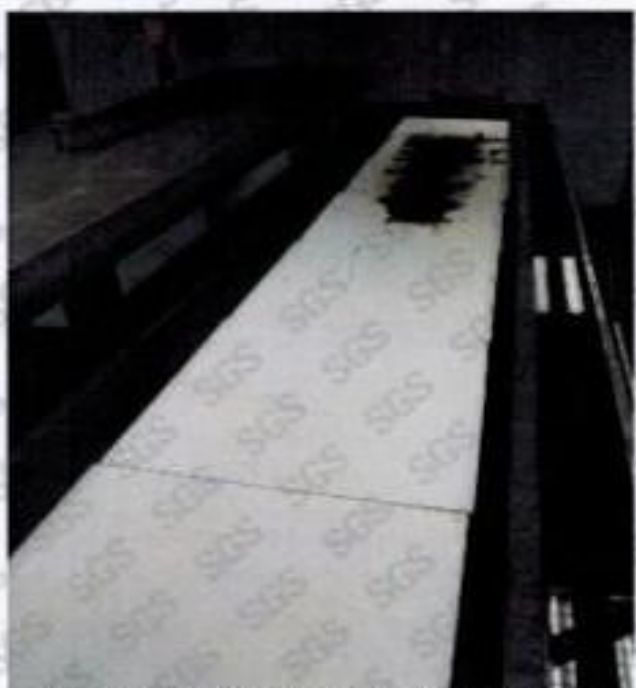
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Specimen for Surface Burning Characteristics
(Before test)



Specimen for Surface Burning Characteristics
(After test)



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CERTIFICATE OF COMPLIANCE

Product tested in accordance with UL 2821 test method to show compliance to emission limits on UL 2818. Section 7.1 and 7.2.

Commercial furniture and furnishings are tested in accordance with ANSI/BIFMA M7.1-2011 and determined to comply with ANSI/BIFMA X7.1-2011 and ANSI/BIFMA e3-2014e. Credit 7.6.1, 7.6.2, and 7.6.3. Panel based workstations are modeled in the open plan environment. Casework systems and individual furniture items are modeled in the private office environment. Seating products are modeled in the seating environment. Classroom furniture is modeled using the standard classroom model in the California Department of Public Health (CDPH) Standard Method v1.1.

Building Products are determined compliant in accordance with California Department of Public Health (CDPH) Standard Method V1.1-2010, using the applicable exposure scenario.



Environment

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CERTIFICATE OF COMPLIANCE

UL GREENGUARD Certified Products Listing

Product Name	Certification	Status	Certificate Number	Certification Period	Restrictions
YF9001 Calacatta White	GREENGUARD Gold Certified	Certified	108475-420	02/26/2018-02/26/2019	
YF9004 Calacatta White	GREENGUARD Gold Certified	Certified	108476-420	02/26/2018-02/26/2019	
YF9006 Calacatta White	GREENGUARD Gold Certified	Certified	108487-420	02/26/2018-02/26/2019	
YF9007 Calacatta White	GREENGUARD Gold Certified	Certified	108488-420	02/26/2018-02/26/2019	
YF9008 Calacatta White	GREENGUARD Gold Certified	Certified	108489-420	02/26/2018-02/26/2019	
YF9009 Calacatta White	GREENGUARD Gold Certified	Certified	108490-420	02/26/2018-02/26/2019	
YF9010 Calacatta White	GREENGUARD Gold Certified	Certified	108492-420	02/26/2018-02/26/2019	
YF9011 Calacatta White	GREENGUARD Gold Certified	Certified	108493-420	02/26/2018-02/26/2019	
YF1600 Starfish White	GREENGUARD Gold Certified	Certified	108494-420	02/26/2018-02/26/2019	
YF1601 Starfish Beige	GREENGUARD Gold Certified	Certified	108495-420	02/26/2018-02/26/2019	
YF1800 Crystal White	GREENGUARD Gold Certified	Certified	108496-420	02/26/2018-02/26/2019	



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CERTIFICATE OF COMPLIANCE

YF1801 Crystal Red	GREENGUARD Gold Certified	Certified	108497-420	02/26/2018-02/26/2019	
YF1802 Crystal Yellow	GREENGUARD Gold Certified	Certified	108525-420	02/26/2018-02/26/2019	
YF1803 Crystal Blue	GREENGUARD Gold Certified	Certified	108526-420	02/26/2018-02/26/2019	
YF1805 Crystal Black	GREENGUARD Gold Certified	Certified	108527-420	02/26/2018-02/26/2019	
YF1806 Crystal Light Grey	GREENGUARD Gold Certified	Certified	108528-420	02/26/2018-02/26/2019	
YF1807 Crystal Dark Grey	GREENGUARD Gold Certified	Certified	108529-420	02/26/2018-02/26/2019	
YF1808 Crystal Beige	GREENGUARD Gold Certified	Certified	108530-420	02/26/2018-02/26/2019	
YF1810 Crystal Purple	GREENGUARD Gold Certified	Certified	108531-420	02/26/2018-02/26/2019	
YF1813 Crystal Light Blue	GREENGUARD Gold Certified	Certified	108532-420	02/26/2018-02/26/2019	
YF1814 Crystal Light Brown	GREENGUARD Gold Certified	Certified	108533-420	02/26/2018-02/26/2019	
YF1815 Crystal Dark Brown	GREENGUARD Gold Certified	Certified	108534-420	02/26/2018-02/26/2019	
YF1816 Crystal Dark Red	GREENGUARD Gold Certified	Certified	108535-420	02/26/2018-02/26/2019	
YF2702 White Jade	GREENGUARD Gold Certified	Certified	108546-420	02/26/2018-02/26/2019	
YF2703 Super White	GREENGUARD Gold Certified	Certified	108547-420	02/26/2018-02/26/2019	
YF2802 Pure White	GREENGUARD Gold Certified	Certified	108548-420	02/26/2018-02/26/2019	



Environment

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CERTIFICATE OF COMPLIANCE

YF3986 Klin Rice White	GREENGUARD Gold Certified	Certified	108549-420	02/26/2018-02/26/2019	
YF2204 Pure Beige	GREENGUARD Gold Certified	Certified	108550-420	02/26/2018-02/26/2019	
YF3936 Jiwang Beige	GREENGUARD Gold Certified	Certified	108551-420	02/26/2018-02/26/2019	
YF2801 Pure Black	GREENGUARD Gold Certified	Certified	108552-420	02/26/2018-02/26/2019	
YF3088 Unsui	GREENGUARD Gold Certified	Certified	108609-420	02/26/2018-02/26/2019	
YF3868 South Africa Dark Brown	GREENGUARD Gold Certified	Certified	108610-420	02/26/2018-02/26/2019	
YF2803 Pure Yellow	GREENGUARD Gold Certified	Certified	108611-420	02/26/2018-02/26/2019	
YF2804 Pure Green	GREENGUARD Gold Certified	Certified	108612-420	02/26/2018-02/26/2019	
YF2805 Pure Blue	GREENGUARD Gold Certified	Certified	108613-420	02/26/2018-02/26/2019	
YF2806 Pure Purple	GREENGUARD Gold Certified	Certified	108614-420	02/26/2018-02/26/2019	
YF2807 Dark Purple	GREENGUARD Gold Certified	Certified	108615-420	02/26/2018-02/26/2019	
YF2808 Dark Rosy	GREENGUARD Gold Certified	Certified	108616-420	02/26/2018-02/26/2019	
YF2809 Pure Rosy	GREENGUARD Gold Certified	Certified	108617-420	02/26/2018-02/26/2019	
YF2810 Pure Red	GREENGUARD Gold Certified	Certified	108618-420	02/26/2018-02/26/2019	
YF2811 Dark Orange	GREENGUARD Gold Certified	Certified	108619-420	02/26/2018-02/26/2019	



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CERTIFICATE OF COMPLIANCE

YF3857 Sahara Grey	GREENGUARD Gold Certified	Certified	108620-420	02/26/2018-02/26/2019	
YF2003 Pure Dark Grey	GREENGUARD Gold Certified	Certified	109223-420	02/26/2018-02/26/2019	
YF3087 Kensho	GREENGUARD Gold Certified	Certified	109224-420	02/26/2018-02/26/2019	
YF8081 Moon Jade	GREENGUARD Gold Certified	Certified	109257-420	02/26/2018-02/26/2019	
YF8001 Clean Ice Jade	GREENGUARD Gold Certified	Certified	109258-420	02/26/2018-02/26/2019	
YF8119 Serra White	GREENGUARD Gold Certified	Certified	109259-420	02/26/2018-02/26/2019	
YF8924 Oyster	GREENGUARD Gold Certified	Certified	109260-420	02/26/2018-02/26/2019	
YF8018 Ink Vein	GREENGUARD Gold Certified	Certified	109261-420	02/26/2018-02/26/2019	
YF8805 Roman Crystal	GREENGUARD Gold Certified	Certified	109262-420	02/26/2018-02/26/2019	
YF8202 Forest Jade	GREENGUARD Gold Certified	Certified	109263-420	02/26/2018-02/26/2019	
YF8002 Planet Orbit	GREENGUARD Gold Certified	Certified	109264-420	02/26/2018-02/26/2019	
YF8091 Lake Feeling	GREENGUARD Gold Certified	Certified	109265-420	02/26/2018-02/26/2019	
YF8013 Autumn Calacatta	GREENGUARD Gold Certified	Certified	109267-420	02/26/2018-02/26/2019	
YF8096 Green Land	GREENGUARD Gold Certified	Certified	109268-420	02/26/2018-02/26/2019	
YF8003 Mountain Image	GREENGUARD Gold Certified	Certified	109269-420	02/26/2018-02/26/2019	



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CERTIFICATE OF COMPLIANCE

YF8011 Golden Palace	GREENGUARD Gold Certified	Certified	109270-420	02/26/2018-02/26/2019	
YF8009 Virgin Forest	GREENGUARD Gold Certified	Certified	109271-420	02/26/2018-02/26/2019	
YF8004 Horese And Soldiers	GREENGUARD Gold Certified	Certified	109272-420	02/26/2018-02/26/2019	
YF8010 Black Cloud	GREENGUARD Gold Certified	Certified	109273-420	02/26/2018-02/26/2019	
YF7020 Crystal Shining White	GREENGUARD Gold Certified	Certified	109274-420	02/26/2018-02/26/2019	
YF7001 Crystal Shining Light Grey	GREENGUARD Gold Certified	Certified	109275-420	02/26/2018-02/26/2019	
YF7066 Night Star	GREENGUARD Gold Certified	Certified	109276-420	02/26/2018-02/26/2019	
YF7013 Dark Crystal Brown	GREENGUARD Gold Certified	Certified	109277-420	02/26/2018-02/26/2019	
YF7019 Dark Crystal Purple	GREENGUARD Gold Certified	Certified	109278-420	02/26/2018-02/26/2019	
YF7015 Paris Night	GREENGUARD Gold Certified	Certified	109279-420	02/26/2018-02/26/2019	
YF7002 Crystal Shining Dark Grey	GREENGUARD Gold Certified	Certified	109280-420	02/26/2018-02/26/2019	
YF7005 Crystal Shining Brown	GREENGUARD Gold Certified	Certified	109281-420	02/26/2018-02/26/2019	
YF7006 Crystal Shining Golden	GREENGUARD Gold Certified	Certified	109282-420	02/26/2018-02/26/2019	
YF7007 Crystal Shining Blue	GREENGUARD Gold Certified	Certified	109283-420	02/26/2018-02/26/2019	
YF6308 Vague Carrara	GREENGUARD Gold Certified	Certified	109284-420	02/26/2018-02/26/2019	



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CERTIFICATE OF COMPLIANCE

YF6039 Glacier Grey	GREENGUARD Gold Certified	Certified	109285-420	02/26/2018-02/26/2019	
YF6037 Crystal Purple	GREENGUARD Gold Certified	Certified	109286-420	02/26/2018-02/26/2019	
YF6120 Ice Cream	GREENGUARD Gold Certified	Certified	109287-420	02/26/2018-02/26/2019	
YF6092 Begonia Flower	GREENGUARD Gold Certified	Certified	109288-420	02/26/2018-02/26/2019	
YF6205 London Grey	GREENGUARD Gold Certified	Certified	109289-420	02/26/2018-02/26/2019	
YF6011 Dream Navada	GREENGUARD Gold Certified	Certified	109290-420	02/26/2018-02/26/2019	
YF6038 Beige Carrara	GREENGUARD Gold Certified	Certified	109291-420	02/26/2018-02/26/2019	
YF6306 Big Carrara	GREENGUARD Gold Certified	Certified	109292-420	02/26/2018-02/26/2019	
YF6305 Middle White	GREENGUARD Gold Certified	Certified	109293-420	02/26/2018-02/26/2019	
YF6304 Tiny Carrara	GREENGUARD Gold Certified	Certified	109294-420	02/26/2018-02/26/2019	
YF6504 Edelweiss	GREENGUARD Gold Certified	Certified	109295-420	02/26/2018-02/26/2019	
YF6825 Spot Carrara	GREENGUARD Gold Certified	Certified	109296-420	02/26/2018-02/26/2019	
YF6800 Waving White	GREENGUARD Gold Certified	Certified	109297-420	02/26/2018-02/26/2019	
YF6104 Pink Carrara	GREENGUARD Gold Certified	Certified	109298-420	02/26/2018-02/26/2019	
YF6013 Desert White Grain	GREENGUARD Gold Certified	Certified	109299-420	02/26/2018-02/26/2019	



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CERTIFICATE OF COMPLIANCE

YF6014 Grey Carrara	GREENGUARD Gold Certified	Certified	109300-420	02/26/2018-02/26/2019	
YF6882 Claud Beige	GREENGUARD Gold Certified	Certified	109301-420	02/26/2018-02/26/2019	
YF6036 Moon White	GREENGUARD Gold Certified	Certified	109302-420	02/26/2018-02/26/2019	
YF6034 Tropical Beige	GREENGUARD Gold Certified	Certified	109303-420	02/26/2018-02/26/2019	
YF6203 French Grey	GREENGUARD Gold Certified	Certified	109304-420	02/26/2018-02/26/2019	
YF6440 Spring Yellow	GREENGUARD Gold Certified	Certified	109305-420	02/26/2018-02/26/2019	
YF6015 Colly Brook	GREENGUARD Gold Certified	Certified	109306-420	02/26/2018-02/26/2019	
YF6033 South Asia Grey	GREENGUARD Gold Certified	Certified	109307-420	02/26/2018-02/26/2019	
YF6614 Mosai Vein	GREENGUARD Gold Certified	Certified	109308-420	02/26/2018-02/26/2019	
YF6003 Warrior	GREENGUARD Gold Certified	Certified	109309-420	02/26/2018-02/26/2019	
YF6503 Phantom Grey	GREENGUARD Gold Certified	Certified	109310-420	02/26/2018-02/26/2019	
YF6390 Lighting Grey	GREENGUARD Gold Certified	Certified	109311-420	02/26/2018-02/26/2019	
YF6041 Modern Red	GREENGUARD Gold Certified	Certified	109312-420	02/26/2018-02/26/2019	
YF6470 Latte Brown	GREENGUARD Gold Certified	Certified	109313-420	02/26/2018-02/26/2019	
YF6012 Night White Grain	GREENGUARD Gold Certified	Certified	109327-420	02/26/2018-02/26/2019	



Environment

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CERTIFICATE OF COMPLIANCE

YF6881 Waterflow Black	GREENGUARD Gold Certified	Certified	109328-420	02/26/2018-02/26/2019	
YF3867 Spring Snow	GREENGUARD Gold Certified	Certified	109329-420	02/26/2018-02/26/2019	
YF5883 Crystal Shell	GREENGUARD Gold Certified	Certified	109330-420	02/26/2018-02/26/2019	
YF5885 Shell Beige	GREENGUARD Gold Certified	Certified	109331-420	02/26/2018-02/26/2019	
YF5926 Brazil Grey Diamond	GREENGUARD Gold Certified	Certified	109332-420	02/26/2018-02/26/2019	
YF3619 Silent Autumn	GREENGUARD Gold Certified	Certified	109333-420	02/26/2018-02/26/2019	
YF5990 Purple Diamond	GREENGUARD Gold Certified	Certified	109334-420	02/26/2018-02/26/2019	
YF5993 Plain Red Diamond	GREENGUARD Gold Certified	Certified	109335-420	02/26/2018-02/26/2019	
YF3200 Northern Scenery	GREENGUARD Gold Certified	Certified	109336-420	02/26/2018-02/26/2019	
YF5165 Harvest Season	GREENGUARD Gold Certified	Certified	109337-420	02/26/2018-02/26/2019	
YF5202 Pine Nut Yellow	GREENGUARD Gold Certified	Certified	109338-420	02/26/2018-02/26/2019	
YF5824 Greyish White	GREENGUARD Gold Certified	Certified	109339-420	02/26/2018-02/26/2019	
YF3978 Grey Rain Grain	GREENGUARD Gold Certified	Certified	109340-420	02/26/2018-02/26/2019	
YF3505 Nero Gris	GREENGUARD Gold Certified	Certified	109341-420	02/26/2018-02/26/2019	
YF3030 Black Rose	GREENGUARD Gold Certified	Certified	109342-420	02/26/2018-02/26/2019	



Environment

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CERTIFICATE OF COMPLIANCE

YF5980 Alpina White	GREENGUARD Gold Certified	Certified	109343-420	02/26/2018-02/26/2019	
YF3003 Palm Tree	GREENGUARD Gold Certified	Certified	109344-420	02/26/2018-02/26/2019	
YF3988 Moca Brown	GREENGUARD Gold Certified	Certified	109345-420	02/26/2018-02/26/2019	
YF5027 Autumn Leaves	GREENGUARD Gold Certified	Certified	109346-420	02/26/2018-02/26/2019	
YF5983 Colorful Diamond	GREENGUARD Gold Certified	Certified	109347-420	02/26/2018-02/26/2019	
YF5988 Island Love	GREENGUARD Gold Certified	Certified	109348-420	02/26/2018-02/26/2019	
YF5989 Brazil Feeling	GREENGUARD Gold Certified	Certified	109349-420	02/26/2018-02/26/2019	
YF5981 Natural Diamond	GREENGUARD Gold Certified	Certified	109350-420	02/26/2018-02/26/2019	
YF5820 Black & White	GREENGUARD Gold Certified	Certified	109351-420	02/26/2018-02/26/2019	
YF5943 Classical Black	GREENGUARD Gold Certified	Certified	109352-420	02/26/2018-02/26/2019	
YF3626 Fine White	GREENGUARD Gold Certified	Certified	109353-420	02/26/2018-02/26/2019	
YF5887 Jade Spot White	GREENGUARD Gold Certified	Certified	109354-420	02/26/2018-02/26/2019	
YF3871 Jazz White	GREENGUARD Gold Certified	Certified	109355-420	02/26/2018-02/26/2019	
YF5001 Middle Diamond White	GREENGUARD Gold Certified	Certified	109356-420	02/26/2018-02/26/2019	
YF5002 Giant Diamond White	GREENGUARD Gold Certified	Certified	109357-420	02/26/2018-02/26/2019	



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CERTIFICATE OF COMPLIANCE

YF5947 Luoduoweike	GREENGUARD Gold Certified	Certified	109358-420	02/26/2018-02/26/2019	
YF5991 Mary White	GREENGUARD Gold Certified	Certified	109359-420	02/26/2018-02/26/2019	
YF5847 Luji Leo	GREENGUARD Gold Certified	Certified	109360-420	02/26/2018-02/26/2019	
YF3845 Maria	GREENGUARD Gold Certified	Certified	109361-420	02/26/2018-02/26/2019	
YF5507 Cream Diamond White	GREENGUARD Gold Certified	Certified	109362-420	02/26/2018-02/26/2019	
YF3960 Baili Yellow	GREENGUARD Gold Certified	Certified	109363-420	02/26/2018-02/26/2019	
YF3870 Imperial Beige	GREENGUARD Gold Certified	Certified	109364-420	02/26/2018-02/26/2019	
YF3923 Fushan Yellow	GREENGUARD Gold Certified	Certified	109365-420	02/26/2018-02/26/2019	
YF3300 Colored Glaze Gold	GREENGUARD Gold Certified	Certified	109366-420	02/26/2018-02/26/2019	
YF3317 Fine Grey	GREENGUARD Gold Certified	Certified	109367-420	02/26/2018-02/26/2019	
YF3301 Nice Grey	GREENGUARD Gold Certified	Certified	109368-420	02/26/2018-02/26/2019	
YF3303 Nice Light Grey	GREENGUARD Gold Certified	Certified	109369-420	02/26/2018-02/26/2019	
YF3302 Nice Dark Grey	GREENGUARD Gold Certified	Certified	109370-420	02/26/2018-02/26/2019	
YF3943 California Grey	GREENGUARD Gold Certified	Certified	109371-420	02/26/2018-02/26/2019	
YF5937 Shining Black	GREENGUARD Gold Certified	Certified	109372-420	02/26/2018-02/26/2019	



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CERTIFICATE OF COMPLIANCE

YF5942 Flowing Silver Black	GREENGUARD Gold Certified	Certified	109373-420	02/26/2018-02/26/2019	
YF5006 Sentosa	GREENGUARD Gold Certified	Certified	109374-420	02/26/2018-02/26/2019	
YF5105 Golden Diamond	GREENGUARD Gold Certified	Certified	109375-420	02/26/2018-02/26/2019	
YF5811 Plateau Yellow	GREENGUARD Gold Certified	Certified	109376-420	02/26/2018-02/26/2019	
YF5055 Paddy Field	GREENGUARD Gold Certified	Certified	109377-420	02/26/2018-02/26/2019	
YF5007 Coastal Scenery	GREENGUARD Gold Certified	Certified	109378-420	02/26/2018-02/26/2019	
YF5360 Coffee Brown	GREENGUARD Gold Certified	Certified	109379-420	02/26/2018-02/26/2019	
YF5401 Rain Forest	GREENGUARD Gold Certified	Certified	109380-420	02/26/2018-02/26/2019	
YF5026 Winter Begins	GREENGUARD Gold Certified	Certified	109381-420	02/26/2018-02/26/2019	
YF5108 Spot Yellow	GREENGUARD Gold Certified	Certified	109382-420	02/26/2018-02/26/2019	
YF5063 Forest Snow	GREENGUARD Gold Certified	Certified	109383-420	02/26/2018-02/26/2019	
YF6024 Lavender	GREENGUARD Gold Certified	Certified	109384-420	02/26/2018-02/26/2019	
YF6324 Wavy Lines	GREENGUARD Gold Certified	Certified	109385-420	02/26/2018-02/26/2019	
YF6113 Coastal City	GREENGUARD Gold Certified	Certified	109386-420	02/26/2018-02/26/2019	
YF6141 Beige Vein	GREENGUARD Gold Certified	Certified	109387-420	02/26/2018-02/26/2019	



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CERTIFICATE OF COMPLIANCE

YF6400 White City	GREENGUARD Gold Certified	Certified	109388-420	02/26/2018-02/26/2019	
YF6230 Snow Vein	GREENGUARD Gold Certified	Certified	109389-420	02/26/2018-02/26/2019	
YF7906 Norway Red	GREENGUARD Gold Certified	Certified	109390-420	02/26/2018-02/26/2019	
YF8109 Blue Butterfly	GREENGUARD Gold Certified	Certified	109391-420	02/26/2018-02/26/2019	
YF8039 Evening Glow	GREENGUARD Gold Certified	Certified	109392-420	02/26/2018-02/26/2019	
YF7009 Crystal Shining Red	GREENGUARD Gold Certified	Certified	109393-420	02/26/2018-02/26/2019	

Please refer to current certificates on ul.com/spg for complete compliance information.



Environment

UL Environment investigated representative samples of the identified Product(s) to the identified Standard(s) or other requirements in accordance with the agreements and any applicable program service terms in place between UL Environment and the Certificate Holder (collectively "Agreement"). The Certificate Holder is authorized to use the UL Environment Mark for the identified Product(s) manufactured at the production site(s) covered by the ULE Test Report, in accordance with the terms of the Agreement. This Certificate is valid for the identified dates unless there is non-compliance with the Agreement.

NSF International

789 N. Dixboro Road, Ann Arbor, MI 48105 USA

RECOGNIZES

AS COMPLYING WITH NSF/ANSI 51 AND ALL APPLICABLE REQUIREMENTS.
PRODUCTS APPEARING IN THE NSF OFFICIAL LISTING ARE
AUTHORIZED TO BEAR THE NSF MARK.



Certification Program
Accredited by the
American National
Standards Institute



Certification Program
Accredited by the
Standards Council
of Canada

This certificate is the property of NSF International and must be returned upon request. This certificate remains valid as long as this client has products in Listing for the referenced standards. For the most current and complete Listing information, please access NSF's website (www.nsf.org).

September 13, 2017
Certificate# C0319269 - 01

Sarah Krol
Global Managing Director, Food Safety Product Certification

Materials	LeSariostone	Granite	Laminate	Solid Surface
Scratch Resistant	✓ ✓ ✓	✓ ✓ ✓	✓ ✓	✓
Stain Resistant	✓ ✓ ✓	✓ ✓	✓ ✓	✓ ✓ ✓
Chip and Crack Resistant	✓ ✓ ✓	✓ ✓	✓ ✓	✓ ✓ ✓
Heat and Bum Resistant	✓ ✓	✓ ✓	✓ ✓	✓ ✓
Resistant to Household Chemicals Acids and Solvents	✓ ✓ ✓	✓ ✓	✓ ✓	✓ ✓ ✓
Low Maintenance	✓ ✓ ✓	✓ ✓	✓ ✓	✓
Non-absorbent and Non-porous	✓ ✓ ✓	✓ ✓	✓ ✓	✓ ✓ ✓
Mold and Mildew Resistant	✓ ✓ ✓	✓ ✓	✓ ✓	✓ ✓
Flexural Strength	✓ ✓ ✓	✓	✓ ✓	✓ ✓
Color Consistency	✓ ✓ ✓	✓	✓ ✓ ✓	✓ ✓ ✓
Immunity to Freeze and Thaw	✓ ✓ ✓	✓ ✓ ✓	✓	✓
KEY	✓ ✓ ✓		Excellent	
	✓ ✓		Good	
	✓		Fair	