

TEST REPORT

CLIENT NAME : JONITE PRIVATE LIMITED
ADDRESS : 5 UPPER ALJUNIED LINK
#01-01 QUARTZ INDUSTRIAL BUILDING
SINGAPORE 367903
ATTENTION TO : LEXTER CHEN
TEL NO : 6383 3788
ACCOUNT CHARGEABLE TO : JONITE PRIVATE LIMITED

PROJECT CODE : PT02061
PROJECT TITLE : GENERAL TESTING

TEST SUBJECTS : CHEMICAL RESISTANCE - ASTM D543 : 2014
a) SULFURIC ACID (3 %)
b) SATURATED LIME
c) NITRIC ACID (10 %)
d) SODIUM HYDROXIDE SOLUTION (10 %)

JOB REF. : ADM/16/06606A
CLIENT SAMPLE REFERENCE : GRATING (STONE COMPOSITE)
DATE RECEIVED : 19/10/2018
DATE OF REPORT : 29/11/2018
TOTAL PAGES : 6 (including cover page)

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TEST RESULTS:

1a) Chemical Resistance (ASTM D543 : 2014) - PRACTICE A - IMMERSION TEST

Sample Reference		GRATING (STONE COMPOSITE)			
Date of Test		7/11/2018			
Conditioning Procedure		23 °C / 50 % RH for 40h prior to the test			
Test Condition		23 °C / 50 % RH			
Immersion Period		7 Days			
Chemical Reagent		3 % Sulfuric Acid			
Test Specimen		1	2	3	Average
Visual Changed		NO CHANGE			
Weight Changed, %		-0.22%	-0.22%	-0.22%	-0.22%
Dimension Changed, %	Length	-0.05%	-0.04%	-0.05%	-0.04%
	Width	-0.14%	0.04%	-0.32%	-0.14%
	Thickness	-0.12%	-0.08%	-0.04%	-0.08%

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TEST RESULTS:

1b) Chemical Resistance (ASTM D543 : 2014) - PRACTICE A - IMMERSION TEST

Sample Reference		GRATING (STONE COMPOSITE)			
Date of Test		7/11/2018			
Conditioning Procedure		23 °C / 50 % RH for 40h prior to the test			
Test Condition		23 °C / 50 % RH			
Immersion Period		7 Days			
Chemical Reagent		Saturated Lime			
Test Specimen		1	2	3	Average
Visual Changed		NO CHANGE			
Weight Changed, %		-0.01%	-0.01	-0.01%	-0.01%
Dimension Changed, %	Length	0.04%	-0.08%	-0.04%	-0.03%
	Width	-0.16%	0.02%	0.06%	-0.03%
	Thickness	0.16%	-0.23%	0.00%	-0.03%

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TEST RESULTS:

1c) Chemical Resistance (ASTM D543 : 2014) - PRACTICE A - IMMERSION TEST

Sample Reference		GRATING (STONE COMPOSITE)			
Date of Test		7/11/2018			
Conditioning Procedure		23 °C / 50 % RH for 40h prior to the test			
Test Condition		23 °C / 50 % RH			
Immersion Period		7 Days			
Chemical Reagent		10 % Nitric Acid			
Test Specimen		1	2	3	Average
Visual Changed		NO CHANGE			
Weight Changed, %		-0.14%	-0.14%	-0.14%	-0.14%
Dimension Changed, %	Length	0.03%	-0.01%	-0.11%	-0.03%
	Width	-0.16%	-0.03%	0.08%	-0.04%
	Thickness	-0.08%	-0.12%	-0.08%	-0.09%

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TEST RESULTS:

1d) Chemical Resistance (ASTM D543 : 2014) - PRACTICE A - IMMERSION TEST

Sample Reference		GRATING (STONE COMPOSITE)			
Date of Test		7/11/2018			
Conditioning Procedure		23 °C / 50 % RH for 40h prior to the test			
Test Condition		23 °C / 50 % RH			
Immersion Period		7 Days			
Chemical Reagent		10 % Sodium Hydroxide Solution			
Test Specimen		1	2	3	Average
Visual Changed		NO CHANGE			
Weight Changed, %		-0.10%	-0.10%	-0.10%	-0.10%
Dimension Changed, %	Length	0.01%	-0.03%	-0.02%	-0.02%
	Width	0.04%	0.03%	-0.09%	-0.01%
	Thickness	-0.39%	-0.35%	-0.24%	-0.33%

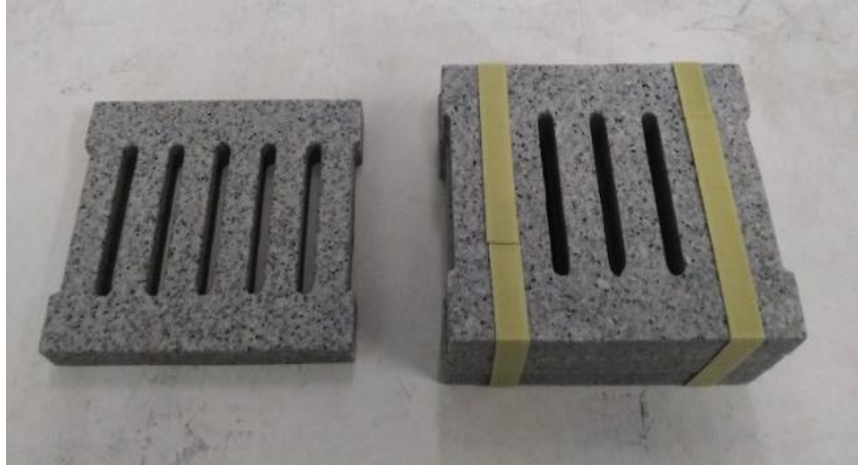


FIGURE 1: SAMPLE AS RECEIVED

PREPARED BY:

QUANG

Engineer

DID: (65) 6362 9013

EMAIL: Quang.Nguyendang@Exova.com

APPROVED BY:

JULIFIN

Manager

DID: (65) 6362 9739

EMAIL: Julifin.H@Exova.com