



CLIENT: B & B BLENDING, LLC
10963 Leroy Drive
Northglenn, Colorado 80233
United States

Attn: Chris Gallahar

Test Report No: 4163112PP01

Date: 03 July 2017

**SAMPLE(S) SUBMITTED
BY THE CLIENT AS:**

The following samples were identified by the client as the following:

10"x12" aluminum panel for pencil hardness – Labeled "Jade Quartz: Hardness"

10"x12" aluminum panel for pencil hardness – Labeled "Jade Ice: Hardness"

4"x6" black, glossy automotive clear coat panels for (1) Alkali, (1) Salt, (1) Acid Immersion(s) – each labeled "Jade Quartz"

4"x6" black, glossy automotive clear coat panels for (1) Alkali, (1) Salt, (1) Acid Immersion(s) – each labeled "Jade Ice"

Color: Coated Black Automotive Panels/Aluminum Panels.

DATE OF RECEIPT: 19 June 2017

TEST PERIOD: 03 July 2017

TEST(S) REQUESTED: The submitted materials were tested for Pencil Hardness as per ASTM D-3363, Alkali, Acid, and Salt for Resistance, in accordance with Client Instructions.

TEST RESULTS: See Pages 2 - 3

PREPARED BY:

**Hayford Mensah, Report Writer
Packaging & Materials**

**SIGNED FOR AND ON BEHALF OF
SGS NORTH AMERICA INC.,**

**Frank Savino, Lab Manager
Packaging & Materials**

PAGE 1 OF 3

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/terms-and-conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/terms-e-document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for a minimum of 45 days only.

SGS North America Inc. | Consumer and Retail Services 291 Fairfield Avenue, Fairfield, NJ 07004 t (973) 575-5252 f (973) 575-

Member of the SGS Group (Société Générale de Surveillance)

TEST RESULT:

Test 1.0:

Pencil Hardness
ASTM D-3363

Specimen	Results
Jade Quartz	No Scratch observed, after 9H
Jade Ice	No Scratch observed, after 9H

Note: Lab conditions: 73⁰ F & 50RH

Test 1.1:

Alkali Resistance

Specimen	Results
Jade Quartz	No abnormalities after partial immersion
Jade Ice	No abnormalities after partial immersion

Test Condition:

Test Method

Procedure: Partial Immersion
 Reagent: 15% sodium carbonate
 Time: 24 hours

JIS K5400 (1990)
 Testing methods for paints

Note: Lab conditions: 73⁰ F & 50RH

Test 1.2:

Acid Testing

Specimen	Results
Jade Quartz	No abnormalities after partial immersion in acid
Jade Ice	No abnormalities after partial immersion in acid

Test Condition:

Test Method

Procedure: Partial Immersion
 Reagent: 15% sulphuric acid
 Time: 24 hours

JIS K5400 (1990)
 Testing methods for paints

Note: Lab conditions: 73⁰ F & 50RH

Test 1.3: **Salt Solution Resistance**

Specimen	Results
Jade Quartz	No abnormalities after immersion in sodium chloride solution
Jade Ice	No abnormalities after immersion in sodium chloride solution

Test Condition:

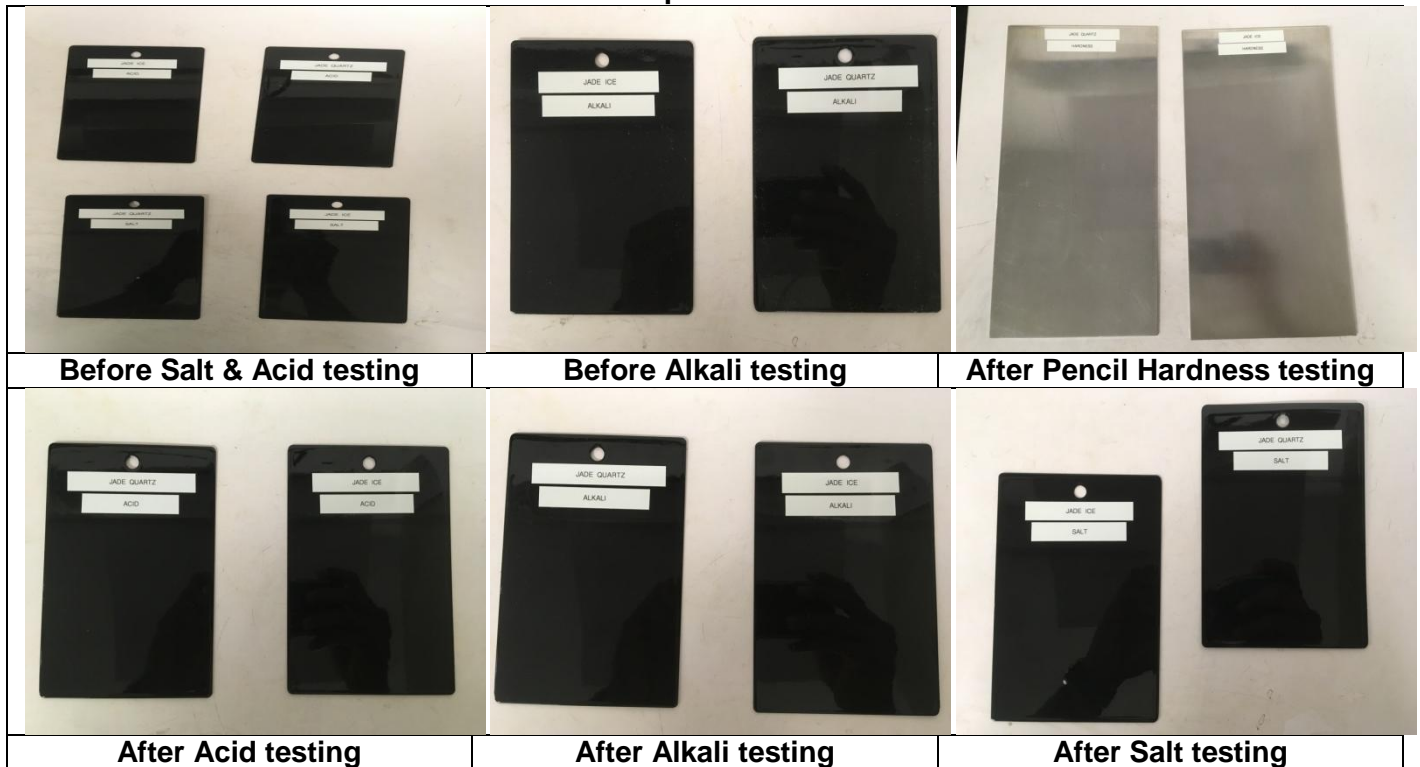
Test Method

Procedure: Partial Immersion
 Reagent: 15% sodium chloride
 Time: 96 hours

JIS K5400 (1990)
 Testing methods for paints

Note: Lab conditions: 73⁰ F & 50RH

Sample Photo:



*****END OF REPORT*****