

# ABET LAMINATI TEST REPORT

**SCOPE OF WORK**

SEFA 8- SURFACE FINISH, SECTION 8.1 CHEMICAL SPOT TEST AND SECTION 8.2 HOT WATER TEST EVALUATIONS OF SHEET DÉCOR 478 SEI WORK SURFACE

**REPORT NUMBER**

N6448.01-106-31 R0

**TEST DATES**

04/28/22 - 05/06/22

**ISSUE DATE**

05/25/22

**RECORD RETENTION END DATE**

05/06/26

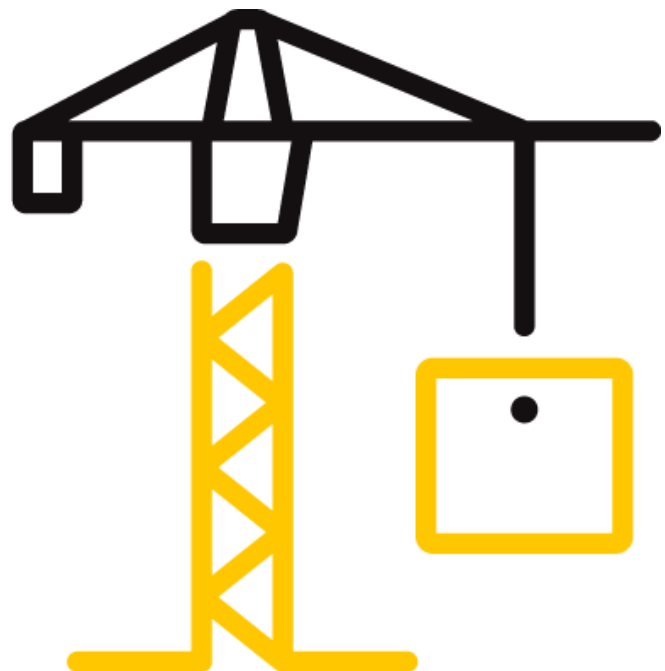
**PAGES**

12

**DOCUMENT CONTROL NUMBER**

RT-R-AMER-Test-2827 (09/09/21)

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## TEST REPORT FOR ABET LAMINATI

Report No.: N6448.01-106-31 R0

Date: 05/25/22

### REPORT ISSUED TO

#### ABET LAMINATI

60 West Sheffield Ave.

Englewood, New Jersey 07631

### SECTION 1

#### SCOPE

**Product:** Sheet Décor 478 SEI

Architectural Testing, Inc. (an Intertek company) dba Intertek Building & Construction (B&C) was contracted by ABET LAMINATI to evaluate Sheet Décor 478 SEI in accordance with SEFA 8 - Laboratory Grade Casework. Results obtained are tested values and were secured by using the designated test method. Testing was conducted at the Intertek B&C test facility in York, Pennsylvania.

This report does not constitute certification of this product nor an opinion or endorsement by this laboratory.

Unless differently required, Intertek reports apply the "Simple Acceptance" rule, also called "Shared Risk approach," of ILAC-G8:09/2019, Guidelines on Decision Rules and Statements of Conformity.

For INTERTEK B&C:

|                      |                                     |                     |   |
|----------------------|-------------------------------------|---------------------|---|
| <b>COMPLETED BY:</b> | Christopher P. Shumaker             | <b>REVIEWED BY:</b> | Joseph M. Brickner                            |
| <b>TITLE:</b>        | Technician I<br>Material Laboratory | <b>TITLE:</b>       | Laboratory Supervisor<br>Materials Laboratory |
| <b>SIGNATURE:</b>    |                                     | <b>SIGNATURE:</b>   |   |
| <b>DATE:</b>         | 05/25/22                            | <b>DATE:</b>        | 05/25/22                                      |

CPS:jmb/alts

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### SECTION 2

#### TEST METHOD

The specimens were evaluated in accordance with the following:

**SEFA 8 -1999, Recommended Practices for Laboratory Grade Casework, Section 8**

### SECTION 3

#### MATERIAL SOURCE

The materials were provided by ABET LAMINATI. The following was received in good condition on 04/21/22:

- One 51" x 120" x 1/2" Sheet Décor 478 SEI

Refer to the product description photos in Section 9. The material was tested as received, except for preparing test specimens from the original material. Representative materials/test specimens will be retained by Intertek B&C for a minimum of four years from the test completion date.

### SECTION 4

#### LIST OF OFFICIAL OBSERVERS

| NAME                    | COMPANY      |
|-------------------------|--------------|
| Christopher P. Shumaker | Intertek B&C |
| Joseph M. Brickner      | Intertek B&C |

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### SECTION 5

#### TEST PROCEDURES

All conditioning of test specimens and test conditions were at standard laboratory conditions, unless otherwise reported. Refer to the test related photos in Section 9. Calibration certificates are available upon request.

#### SEFA 8 - Chemical Spot Test, Section 8.1

Specimens were evaluated for chemical resistance to various reagents according to one of the following exposure methods:

Method A - Saturated cotton ball in an inverted test tube, 1 hour contact with surface.

Method B - 5 drops covered with a watch glass, 1 hour contact with surface.

After each exposure, specimens were washed with water, detergent, and naphtha then dried with a cloth prior to rating each for surface effect after a 24 hour recovery period.

#### SEFA 8 - Hot Water Test, Section 8.2

Specimens were subjected to a steady stream of hot water at a rate of not less than 6 ounces a minute for a duration of five minutes while being oriented at a 45° angle. Specimens were observed for visible effects after cooling and wiping dry.

### SECTION 6

#### TEST SPECIMEN DESCRIPTION

| TEST PROCEDURE                           | NUMBER OF SPECIMENS | NOMINAL SPECIMEN DIMENSIONS | VISUAL CHARACTERISTICS         |
|--|---------------------|-----------------------------|--------------------------------|
| SEFA 8 Section 8.1<br>Chemical Spot Test | 1 each reagent      | 3" x 3"                     | Sheet Décor 478 SEI<br>(White) |
| SEFA 8 Section 8.2<br>Hot Water Test     | 1                   | 8" x 8"                     |                                |

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**SECTION 7**

**TEST RESULTS**

**SEFA 8 - Chemical Spot Test, Section 8.1**

**Sheet Décor 478 SEI**

| CHEMICAL NO. | CHEMICAL NAME          | EXPOSURE METHOD | RATING | OBSERVATION       |
|--------------|------------------------|-----------------|--------|-------------------|
| 1            | Amyl Acetate           | A               | 0      | No Effect         |
| 2            | Ethyl Acetate          | A               | 0      | No Effect         |
| 3            | 98% Acetic Acid        | B               | 0      | No Effect         |
| 4            | Acetone                | A               | 0      | No Effect         |
| 5            | 5% Acid Dichromate     | B               | n/a    | n/a               |
| 6            | Butyl Alcohol          | A               | n/a    | n/a               |
| 7            | Ethyl Alcohol          | A               | 0      | No Effect         |
| 8            | Methyl Alcohol         | A               | 0      | No Effect         |
| 9            | 28% Ammonium Hydroxide | B               | 0      | No Effect         |
| 10           | Benzene                | A               | 0      | No Effect         |
| 11           | Carbon Tetrachloride   | A               | 0      | No Effect         |
| 12           | Chloroform             | A               | 0      | No Effect         |
| 13           | 60% Chromic Acid       | B               | n/a    | n/a               |
| 14           | Cresol                 | A               | 0      | No Effect         |
| 15           | Dichlor Acetic Acid    | A               | n/a    | n/a               |
| 16           | Dimethylformamide      | A               | 0      | No Effect         |
| 17           | Dioxane                | A               | 0      | No Effect         |
| 18           | Ethyl Ether            | A               | 0      | No Effect         |
| 19           | 37% Formaldehyde       | A               | 0      | No Effect         |
| 20           | 90% Formic Acid        | B               | 1      | Slight gloss loss |
| 21           | Furfural               | A               | 0      | No Effect         |
| 22           | Gasoline               | A               | 0      | No Effect         |
| 23           | 37% HCl                | B               | 1      | Slight gloss loss |
| 24           | 48% HCl                | B               | 1      | Slight gloss loss |
| 25           | 30% Hydrogen Peroxide  | B               | 0      | No Effect         |
| 26           | Iodine                 | B               | 0      | No Effect         |
| 27           | MEK                    | A               | 0      | No Effect         |
| 28           | Methylene Chloride     | A               | 0      | No Effect         |
| 29           | Mono Chlorobenzene     | A               | 0      | No Effect         |

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**Sheet Décor 478 SEI**

| CHEMICAL NO.       | CHEMICAL NAME  | EXPOSURE METHOD | RATING                          | OBSERVATION                    |
|--------------------|--|-----------------|---------------------------------|--------------------------------|
| 30                 | Naphthalene  | A               | 0                               | No Effect                      |
| 31                 | 20% Nitric Acid  | B               | 1                               | Slight gloss loss              |
| 32                 | 30% Nitric Acid  | B               | 1                               | Slight gloss loss              |
| 33                 | 70% Nitric Acid  | B               | 3                               | Gloss loss                     |
| 34                 | 90% Phenol   | A               | 0                               | No Effect                      |
| 35                 | 85% Phosphoric Acid                                      | B               | 0                               | No Effect                      |
| 36                 | Silver Nitrate   | B               | 1                               | Slight coloring                |
| 37                 | 10% Sodium Hydroxide                                     | B               | n/a                             | n/a                            |
| 38                 | 20% Sodium Hydroxide                                     | B               | n/a                             | n/a                            |
| 39                 | 40% Sodium Hydroxide                                     | B               | n/a                             | n/a                            |
| 40                 | Sodium Hydroxide Flake                                   | B               | n/a                             | n/a                            |
| 41                 | Sodium Sulfide   | B               | n/a                             | n/a                            |
| 42                 | 33% Sulfuric Acid  | B               | 1                               | Slight gloss loss              |
| 43                 | 77% Sulfuric Acid  | B               | 1                               | Slight gloss loss              |
| 44                 | 96% Sulfuric Acid  | B               | 3                               | Gloss Removed<br>slight raised |
| 45                 | 1:1 ratio of<br>77% Sulfuric Acid and<br>70% Nitric Acid | B               | 3                               | Gloss Removed                  |
| 46                 | Toluene  | A               | 0                               | No Effect                      |
| 47                 | Trichloroethylene  | A               | 0                               | No Effect                      |
| 48                 | Xylene   | A               | 0                               | No Effect                      |
| 49                 | Zinc Chloride  | B               | 0                               | No Effect                      |
| <b>Requirement</b> |  |                 | No more than 4, Level 3 Ratings |                                |
| <b>Result</b>      |  |                 | <b>Pass</b>                     |                                |

*Exposure Method A - Saturated cotton ball in an inverted test tube, 1 hour contact with surface*

*Exposure Method B - 5 drops covered with a watch glass, 1 hour contact with surface*

*Chemical reagents marked as n/a were not able to be sourced or prepared by the lab in a liquid solution*

**SEFA 8 - Hot Water Test, Section 8.2**

**Sheet Décor 478 SEI**

| SPECIMEN NO.       | RATE (oz/min) | DURATION (min) | OBSERVATION       |
|--------------------|---------------|----------------|-------------------|
| 1                  | 6             | 5              | No Visible Effect |
| <b>Requirement</b> |               |                | No Visible Effect |
| <b>Result</b>      |               |                | <b>Pass</b>       |



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### SECTION 8

#### CONCLUSION

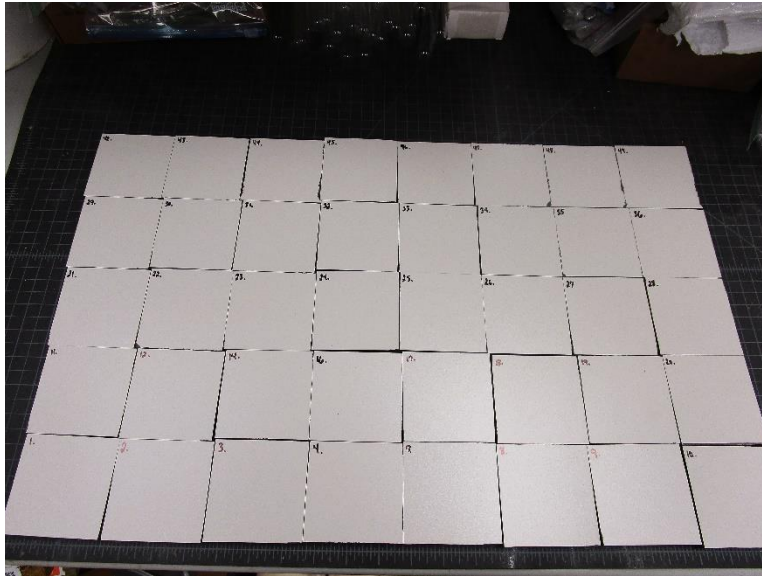
The Sheet Décor 478 SEI met the specified performance requirements listed in SEFA 8 for the testing performed in this report.

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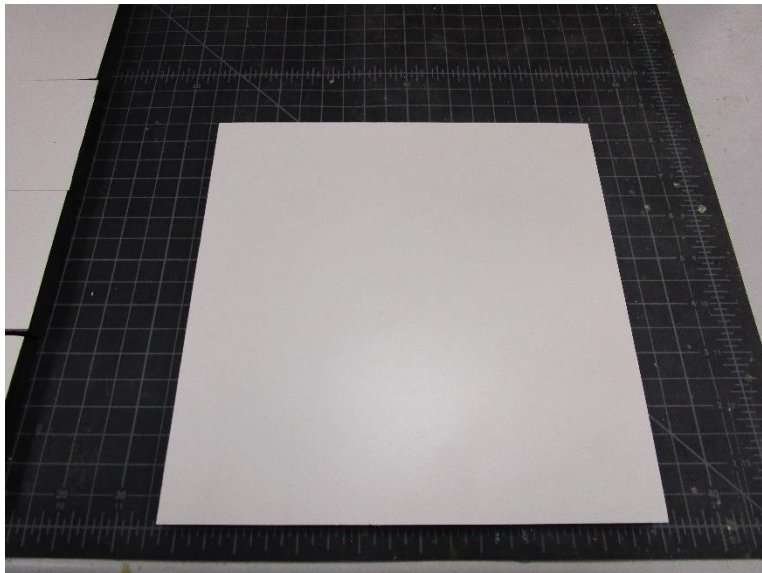
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### SECTION 9 PHOTOGRAPHS



**Photo No. 1**  
**Sheet Décor 478 SEI Cut - 3" x 3" Specimen**



**Photo No. 2**  
**Sheet Décor 478 SEI - Cut 8" x 8" Specimen**



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Photo No. 3

Sheet Décor 478 SEI - Chemical Resistance



Photo No. 4

Sheet Décor 478 SEI - Chemical Resistance

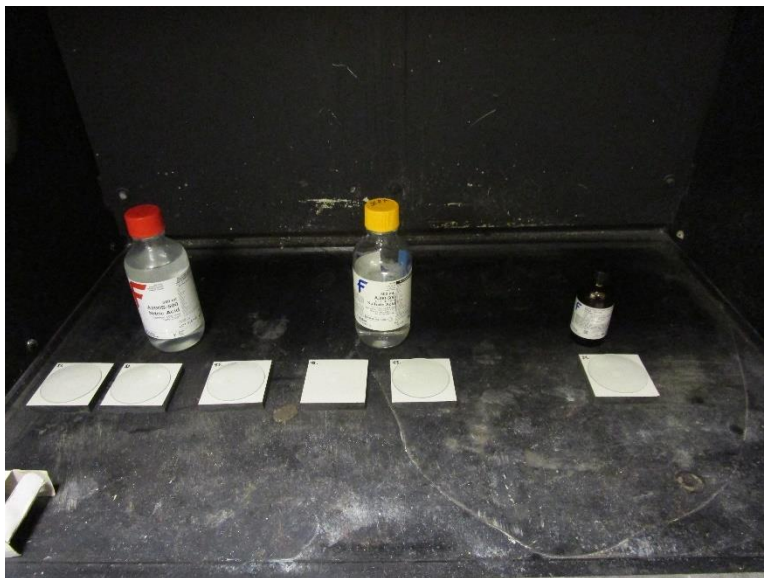
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**Photo No. 5**  
**Sheet Décor 478 SEI - Chemical Resistance**



**Photo No. 6**  
**Sheet Décor 478 SEI - Chemical Resistance**

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Photo No. 7

Sheet Décor 478 SEI - Chemical Resistance



Photo No. 8

Sheet Décor 478 SEI - Hot Water Test



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**SECTION 10**

**REVISION LOG**

| REVISION # | DATE     | PAGES | REVISION              |
|------------|----------|-------|-----------------------|
| 0          | 05/25/22 | N/A   | Original Report Issue |