

# TPI ALL SEASONS COMPANY LIMITED TEST SUMMARY

## SCOPE OF WORK

ANSI Z97.1 EXTERIOR WEATHERING AND VISUAL/OPTICAL EVALUATIONS ON VISTASAFE™  
GRADE VS103 INTERLAYER

## REPORT NUMBER

K5970.01-106-37 R1

## TEST DATES

03/26/20 - 08/25/20

## ISSUE DATE

09/04/20

## REVISED DATE

09/23/20

## RECORD RETENTION END DATE

08/25/24

## PAGES

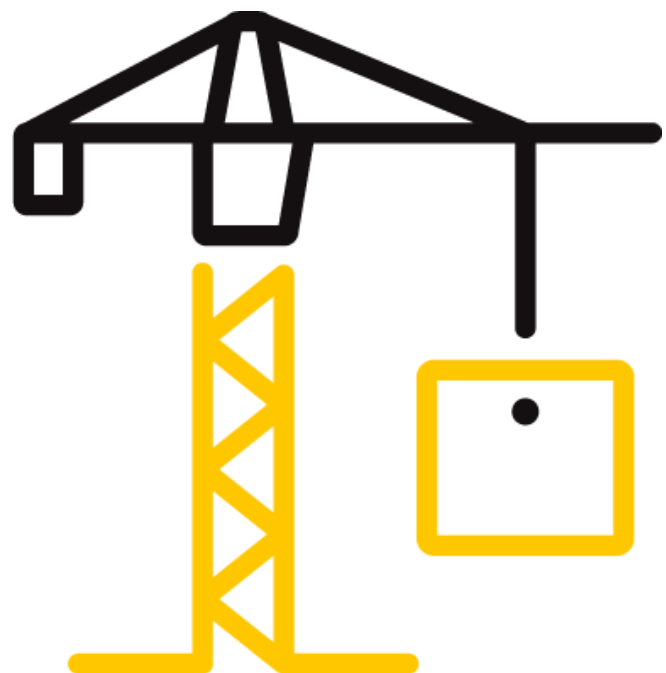
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## DOCUMENT CONTROL NUMBER

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RT-R-AMER-Test-2778

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## TEST SUMMARY FOR TPI ALL SEASONS COMPANY LIMITED

Project No.: K5970.01-106-37 R1

Date: 09/04/20

### SUMMARY ISSUED TO

#### TPI ALL SEASONS COMPANY LIMITED

25/56 Chan Tat Mai Road  
Tungmahamek, Sathorn  
Bangkok 10120, Thailand

### SECTION 1

#### SCOPE

Intertek Building & Construction (B&C) was contracted by TPI All Seasons Company Limited to evaluate VISTASAFE™ VS103 Interlayer in accordance with ANSI and CPSC Accelerated Weathering of Laminated Glazing. Results obtained are tested values and were secured by using the designated test methods. Testing was conducted at the Intertek B&C test facility in York, Pennsylvania.

### SECTION 2

#### TEST METHODS

The specimens were evaluated in accordance with ANSI Z97.1-2015, *Safety Glazing Materials Used in Buildings - Safety Performance Specifications and Methods of Test*, Section 5.4 Exterior Laminated Glazing

### SECTION 3

#### SUMMARY OF TEST RESULTS

PROPERTY	AVERAGE VALUE	REQUIREMENT	RESULT
Haze	+0.12%	≤0.5%	PASS
Luminous Transmittance	-0.30%	≤5.0%	PASS
Yellowness	+0.09 YI units	≤0.5 YI units	PASS
ΔE*	+0.47 units	≤5.0 units	PASS

For INTERTEK B&C:

**COMPLETED BY:** Joshua A. Kennedy  
**TITLE:** Technician III  
Materials Laboratory  
**SIGNATURE:**  
**DATE:** 09/23/20

**REVIEWED BY:** Joseph M. Brickner  
**TITLE:** Laboratory Supervisor  
Materials Laboratory  
**SIGNATURE:**  
**DATE:** 09/23/20

JAK:jmb/als

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*Reference should be made to the latest revision of the full Intertek B&C Report **K5970.01-106-37 R1** for complete test specimen description and results. This summary alone is not a complete report.*

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

### SECTION 4

#### REVISION LOG

REVISION #	DATE	PAGES	REVISION
0	09/04/20	N/A	Original Report Issue
1	09/23/20	All	Update report number