

WALL PANEL SYSTEMS, INC. TEST SUMMARY

SCOPE OF WORK

EPOXY TENSILE STRENGTH TEST – (3) Z-CLIPS, (3) PLASTIC CLIPS ON LAMINATED GLASS

PROJECT NUMBER

P1720.01-303-44 R1

TEST DATE(S)

08/26/22

ISSUE DATE

09/13/22

REVISION 1 DATE

09/15/22

PAGES

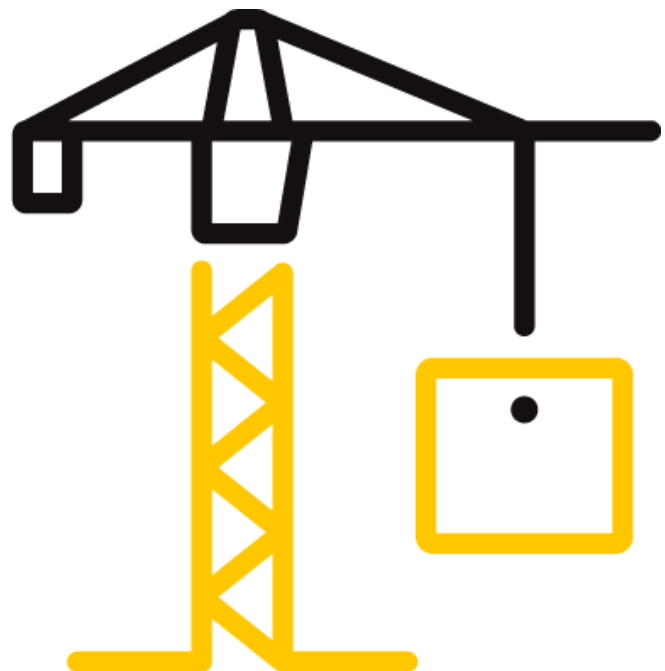
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www.intertek.com/building

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Project No.: P1720.01-303-44 R1

Date: 09/15/22

SUMMARY ISSUED TO

KLA-TENCOR CORP

1 Technology Dr.
Milpitas, CA 95035

SECTION 1

SCOPE

Intertek Building & Construction (B&C) was contracted by KLA-Tencor Corp., Milpitas, CA to perform epoxy tensile strength test – (3) z-clips, (3) plastic clips on customer glass. Results obtained are tested values and were secured by using the designated test method(s). Testing was conducted at the Intertek B&C test facility in Lake Forest, CA.

For INTERTEK B&C:

COMPLETED BY:	Tyler Westerling, P.E.
TITLE:	Operations Manager
SIGNATURE:	
DATE:	09/15/22

GO:ms

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SECTION 2

TEST METHODS

R&D – Epoxy Tensile Strength Testing

SECTION 3

SUMMARY OF TEST RESULTS

FORCE APPLIED (HORIZONTAL)	LOAD ACHIEVED	RESULTS
Sample #1 – “Z”-Clip	2,430 lbs	No Failure in glass or clip adhesion.
Sample #2 – Plastic	1,547 lbs	Clip itself could not hold pressure and deformed epoxy intact.
Sample #3 – “Z”-Clip	2,440 lbs	No Failure in glass or clip adhesion.
Sample #4 – “Z”-Clip	1,987 lbs	Glass broke- epoxy adhesion intact.
Sample #5 – Plastic	1,005 lbs	Glass broke- epoxy adhesion intact.
Sample #6 – Plastic	1,348 lbs	Clip itself could not hold pressure and deformed epoxy intact.

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SECTION 4 PHOTOGRAPHS



Photo No. 1
Jig Top View



Photo No. 2
Jig Side View
(clip and glass sample shown)

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Photo No. 3
Sample #1



Photo No. 4
Sample #4

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Photo No. 5
Sample #5



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SECTION 5

REVISION LOG

REVISION #	DATE	PAGES	REVISION
0	09/13/22	N/A	Original Report Issue
1	09/15/22	Cover, 1	Revision in Scope of Work