

NORIX GROUP INC

TEST REPORT

SCOPE OF WORK

CALIFORNIA BUREAU OF HOME FURNISHINGS TECHNICAL BULLETIN 133 - JANUARY 1991,
FLAMMABILITY TEST PROCEDURE FOR SEATING FURNITURE FOR USE IN PUBLIC
OCCUPANCIES ON RIPPLE GUEST ARMLESS CHAIR – RP09-XXX

REPORT NUMBER

106222345SAT-001D

TEST DATE(S)

06/11/2025

ISSUE DATE

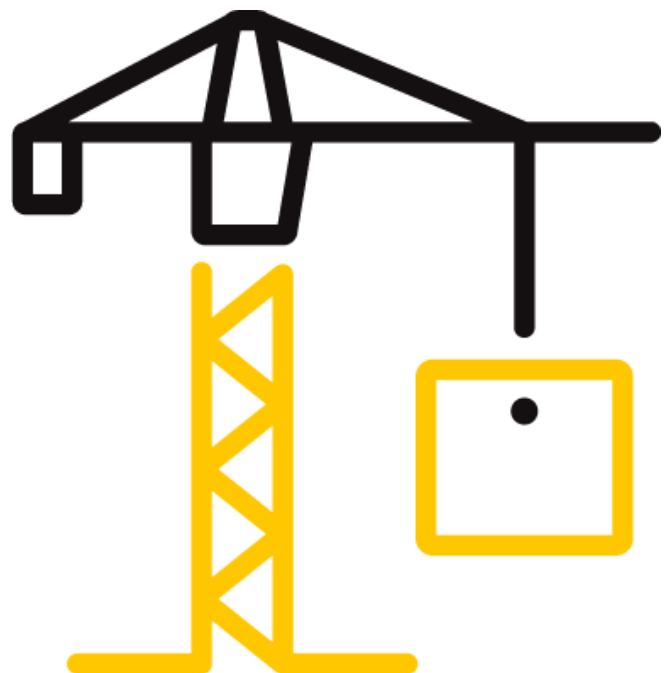
06/13/2025

PAGES

8

DOCUMENT CONTROL NUMBER

GFT-OP-10C (10/03/23)



TEST REPORT FOR NORIX GROUP INC

Report No.: 106222345SAT-001D

Date: 06/13/2025

REPORT ISSUED TO

NORIX GROUP INC

1 Innovation Drive
West Chicago, IL 60185

SECTION 1

SCOPE

Intertek Building & Construction (B&C) was contracted by NORIX GROUP INC to perform testing in accordance with California Bureau of Home Furnishings Technical Bulletin 133 - January 1991 Flammability Test Procedure for Seating Furniture for Use in Public Occupancies, on their RIPPLE GUEST ARMLESS CHAIR – RP09-XXX. This test determines peak heat release rate, mass loss and total heat release under an open furniture calorimeter. Weight loss was recorded as required by ASTM E1537 but not required by CATB 133. The ASTM E1537 is considered equivalent in respect to the testing procedures but not the test criteria. Results obtained are tested values and were secured by using the designated test method. The test was conducted at Intertek B&C test facility in Elmendorf, Texas.

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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.

SECTION 2

SUMMARY OF TEST RESULTS

| ITEMS: Category B (Furniture Calorimeter) | READINGS | LIMITS | RESULTS |
|---|----------|--------|---------|
| Maximum Rate of Heat Release (kW) | 28 | 80 | MET |
| Total Heat Release in 10 minutes (MJ) | 2.12 | 25 | MET |
| Weight Loss (lbs.) (Criteria for ASTM 1537) | 0.06 | 3 | MET |

For INTERTEK B&C:

| | | | |
|----------------------|---|---------------------|---|
| COMPLETED BY: | Theodore Salazar | REVIEWED BY: | Servando Romo |
| TITLE: | Technician 3 | TITLE: | Dept. Manager |
| SIGNATURE: |  | SIGNATURE: |  |
| DATE: | 06/13/2025 | DATE: | 06/16/2025 |

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SECTION 3

TEST METHOD(S)

The specimen was evaluated in accordance with the following:

California Bureau of Home Furnishings Technical Bulletin 133 - January 1991,
Flammability Test Procedure for Seating Furniture for Use in Public Occupancies

ASTM E1537, Standard Test Method for Fire Testing of Upholstered Furniture

SECTION 4

LIST OF OFFICIAL OBSERVERS

| NAME | COMPANY |
|------------------|--------------|
| Theodore Salazar | Intertek B&C |

SECTION 5

EQUIPMENT

| Equipment Type | Equipment No. | Cal. Due Date |
|-------------------------|---------------|---------------|
| Thermo-Hygrometer | 19270722 | 12/26/25 |
| Pressure Transducer | 306056763 | 11/21/25 |
| Data Acquisition System | 02LE006 | 07/31/25 |
| Stopwatch | 181512641 | 11/12/25 |
| Flowmeter (2-20 LPM) | 04LE019 | 10/02/25 |

SECTION 6

TEST PROCEDURE

This test procedure is designed to test seating furniture for use in occupancies that are identified as or considered to be public occupancies. Such facilities might include, but are not limited to, jails, prisons, nursing care homes, health care facilities, public auditoriums, hotels, and motels. This test procedure is not intended to be used for the evaluation of residential furniture.

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The test specimen, after conditioning at 73°F and 50% R.H. was placed underneath the open furniture calorimeter. Equipment used to monitor heat release measurements in the stack was zeroed and the data acquisition equipment started. The specified propane burner was placed above the center of the chair seat in accordance with the standard. After verification that all data acquisition systems were functioning, the burner was ignited for 80 seconds, and the test was allowed to proceed until all combustion ceased or 60 minutes passed.

SECTION 7

TEST SPECIMEN DESCRIPTION

The test specimen was described by the client as the RIPPLE GUEST ARMLESS CHAIR – RP09-XXX. Samples were received at the Evaluation Center on 05/29/2025 in good condition and were logged into the Intertek sample tracking system as SAT2505291137-001.

SECTION 8

TEST RESULTS

The specimen was placed under the open calorimeter and tested on 06/11/2025. The ambient temperature was 74°F with a relative humidity of 63%.

The data recorded includes Heat Release Rate (HRR), Total Heat Release (THR) and Weight Loss (lbs.) (Criteria for ASTM 1537).

This data may be found in SECTION 11. Photos of the sample before and after the test are included as SECTION 12.

Observations during the test were recorded. The observations are as follows:

| TIME (min:sec) | OBSERVATION |
|-------------------|---|
| 0:00 | The test was started at 9:03 am |
| 0:03 | The specimen began melting. |
| 0:04 | The specimen ignited. |
| 1:08 | Flames began to reach the top. |
| 1:20 | The propane test burner was turned off. |
| 1:27 | Flames self-extinguished. |
| 5:00 | Test terminated. |
| | |

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SECTION 9

POST-TEST SAMPLE OBSERVATIONS

After cooling, the following damage was observed:

Seat Material: 5% consumed.

Seat Foam: N/A.

Back Material: 30% consumed.

Back Foam: N/A.

SECTION 10

CONCLUSION

Intertek Testing Services NA (Intertek) has conducted testing for NORIX GROUP INC on RIPPLE GUEST ARMLESS CHAIR – RP09-XXX. The specimen met the criteria set forth by California Bureau of Home Furnishings Technical Bulletin 133 - January 1991, Flammability Test Procedure for Seating Furniture for Use in Public Occupancies and is recognized as equivalent to the ASTM E1537. As stated in the test standard, the test specimen, when tested under a furniture calorimeter, must meet Category B (items 1 and 2) to meet the requirements of the CA TB 133.

SECTION 11

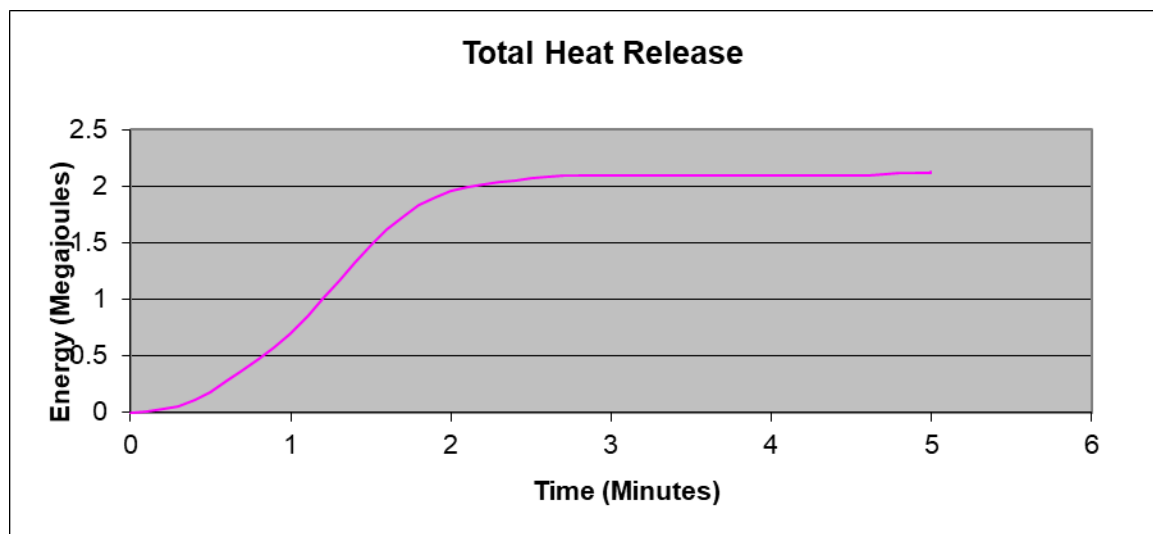
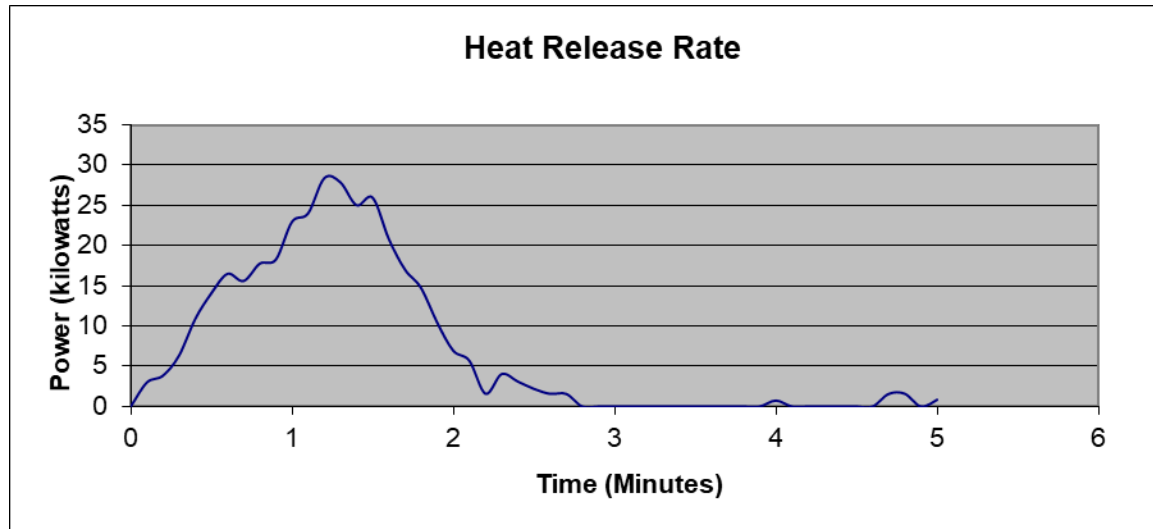
TEST DATA

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SECTION 12

PHOTOGRAPHS



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SECTION 13

REVISION LOG

| REVISION # | DATE | PAGES | REVISION |
|------------|------------|-------|-----------------------|
| 0 | 06/13/2025 | N/A | Original Report Issue |

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