



Rieder NORAM Fire Test Report

Scope of work

NFPA 285 TESTING ON EXTERIOR NON-LOAD-BEARING WALL ASSEMBLY CONTAINING RIEDER GFRC PANELS

Report number

Q3006.02-121-24 R0

Excerpt



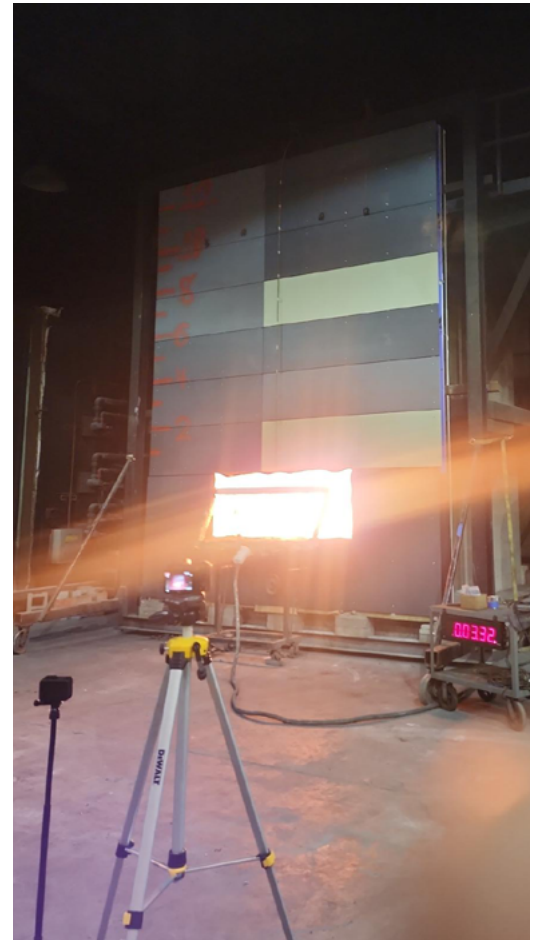
Total Quality. Assured.

TEST REPORT FOR RIEDER NORAM

Report No.: Q3006.02-121-24 R0

Date: 01/15/24

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SECTION 9 TEST RESULTS

TEST REQUIREMENTS	TEST RESULTS	PASS/FAIL
Flames did not reach 10 ft. above the window opening header.	Flames did not reach 10 ft. or more above the window opening header	PASS
Flames did not reach a lateral distance of 5 ft. from the vertical centerline.	Flames did not reach 5 ft. or more beyond the assembly's vertical	PASS
Flames did not propagate beyond the limits of the first story test room.	Flames did not propagate beyond the limits of the first story test room	PASS
No visible flaming in the second story test room	Flames were not visible in the second story test room	PASS
TC's 11 and 14-17 shall not exceed 1000 degree limit.	TC's 11 and 14-17 did not exceed their allowable limit	PASS
TC's 18-19, 28, and 31-40 shall not exceed 1000 degree limit.	TC's 18-19, 28, and 13-40 did not exceed their allowable limit	PASS
TC's 49-54 shall not exceed 500 degrees above ambient start temp.	TC's 49-54 did not exceed their allowable limit	PASS
TC's 55-67 shall not exceed 750 degrees above ambient start temp.	TC's 55-67 did not exceed their allowable limit	PASS
TC's 68-80 shall not exceed 750 degrees above ambient start temp.	68-80 did not exceed their allowable limit	PASS

Increased awareness of fire safety in building construction emphasizes the importance of non-combustible materials. Concrete stands out for its exceptional fire resistance, which makes it impervious to flames, smoke, and toxic emissions. Precast and reinforced concrete further enhance its suitability for critical structural applications like firewalls and protective barriers. Additionally, advancements in glass technology, such as Rieder's fibre C enriched with fiberglass, have transformed glass into a robust protector against fire, capable of withstanding intense heat, containing flames, and blocking smoke.

→ Get the full report

Contact us at sales.usa@rieder.cc to get the full report.