

CERTIFICATE OF COMPLIANCE

Certificate Number 20210204-R7209
Report Reference R7209
Issue Date 2021-FEBRUARY-04

Issued to: CARBOLINE CO.
350 HANLEY INDUSTRIAL CT
SAINT LOUIS, MO 63144-1510
USA

**This is to certify that
representative samples of**

Spray-Applied Fire-Resistive Materials
See addendum page for model information

Have been investigated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 263, "Fire Tests of Building Construction and Materials"
ANSI/UL 2079, "Tests for Fire Resistance of Building Joint
Systems"
ANSI/UL 1709, "Rapid Rise Fire Tests of Protection
Materials for Structural Steel"

Additional Information: See the UL Online Certifications Directory at <http://ul.com/certifications> for additional
information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's
Certification and Follow-Up Service.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Director North American Certification Program
UL LLC

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Type 241, Type 241 HD Spray-Applied Fire Resistive Materials for use in

Beam Design Nos.

[N715](#), [N716](#), [N717](#), [N718](#), [N771](#), [N772](#), [N773](#), [N774](#), [N775](#), [S706](#), [S713](#), [S731](#), [S732](#), [S733](#);

Column Design Nos.

[X732](#), [X733](#), [X735](#), [X736](#), [X743](#), [X744](#), [XR701](#), [XR702](#), [XR734](#), [XR738](#), [Y707](#), [Y708](#);

Floor-Ceiling Design Nos.

[D744](#), [D767](#), [D768](#), [D769](#), [D770](#), [D771](#), [D772](#), [D773](#), [D774](#), [D775](#), [D776](#), [D777](#), [D927](#), [D928](#), [G706](#), [G707](#), [G708](#), [J713](#), [J714](#), [J716](#);

Roof-Ceiling Design Nos. [P734](#), [P735](#), [P737](#), [P738](#), [P739](#), [P926](#), [P927](#), [P928](#), [P929](#) and

Wall Design No. [U704](#).

Investigated for exterior use. In addition to investigations conducted in accordance with UL 1709 Type 241, Type 241 HD Spray Applied Fire Resistive Material has been tested in accordance with the Jet-Fire Resistance Test of Passive Fire Protection Materials, dated 1996.

Type 241HY for use in **Column** Design No. [XR732](#).

Type 241HY Cementitious Mixture. Trade Name - Pyrocrete 241 High Yield



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