

BUILDING PRODUCTS LISTING PROGRAM

Class: Mineral-fiber Fireproofing Materials – Grease Ducts

Customer: CL4 Inc.
Location: London, Ontario Canada
Website: <https://www.cl4fire.com>
Listing No. F405-1-4
Effective Date: January 6, 2012
Last Revised: August 10, 2016
Expires: N/A

Products: CL4Fire Blue Label Mineral-fiber Fireproofing Insulation
 CL4Fire Red Label Mineral-fiber Fireproofing Insulation

Standard(s):

ASTM E2336	“Standard Test Methods for Fire Resistive Grease Duct Enclosure Systems”.
CAN/ULC S144	“Standard Method of Fire Resistance Test – Grease Duct Assemblies”.
ASTM E136	“Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750°C”.
CAN/ULC S102	“Standard Method of Test for Surface Burning Characteristics of building Materials and Assemblies.”
CAN/ULC S115	“Standard Method of Fire Tests of Firestop Systems.”
ASTM E814	“Standard Test Method for Fire Tests of Penetration Firestop Systems.”
UL 1479	“Fire Tests of Through-Penetration Firestops.”

Model/Ratings: CL4Fire products have surface burning characteristics determined in accordance with CAN/ULC S102 as outlined below.

Product	Nominal Density lbs/ft ³ (kg/m ³)	Flame Spread Index	Smoke Developed Index
CL4Fire Blue Label	8 (128)	10	10
CL4Fire Red Label	6 (96)		

CL4Fire Blue Label and CL4Fire Red Label are classified as non-combustible per ASTM E136.

CL4Fire Grease Duct Ratings for Use in ASTM E2336 / CAN/ULC S144 Required Assemblies

Product	Installation	Minimum Installed Thickness inches (mm)	Nominal Density lbs/ft ³ (kg/m ³)	Fire Rating Achieved Hours
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CL4Fire Blue Label	2 Layers 1 1/2" (38mm) Compressed Butt Joints or Overlap Minimum 3 inches (76 mm) at Seams.	3" (76mm)	8 (128mm)	2
	1 Layer 3 inch (76 mm) Compressed Butt Joints or Overlap Minimum 3 inches (76 mm) at Seams.	3" (76mm)	8 (128)	2
CL4Fire Red Label	2 Layers 1 1/2" (38mm) Compressed Butt Joints or Overlap Minimum 3 inches (76 mm) at Seams.	3" (76mm)	6 (96)	2
	1 Layer 3 inch (76 mm) Compressed Butt Joints or Overlap Minimum 3 inches (76 mm) at Seams.	3" (76mm)	6 (96)	2

Limitations:

CL4Fire is limited for use to Grease ducts of the following:

- Maximum Duct Size: 900 in² (5806 cm²) with maximum 36 in. (92 cm) dimension.
- Minimum duct gauge of 16 gauge (1.6 mm).
- Ducting is limited to rectangular, square or circular cross-section.
- Ducting is to conform to Sheet Metal and Air Conditioning Contractors' National Association (SMACNA) requirements.

Product is to be installed per this listing.F405-1-4

Label(s):

Each product of CL4Fire is ink stamped with the following information:

- QAI Logo with "c" and "us" indicators.
- Manufacturer's name or trademark.
- Country of manufacture.
- QAI file number (F405-1).
- Traceability information.



Fire Protection Thermal Insulation



QAI Listings
F405-1



Installation: Manufacturer's installation instructions can be found below, and are to be followed for installation of the noted grease duct assemblies.

Installation is to be done in accordance with QAI's listing, and the noted installation instructions.

Notes: Final acceptance of the product in the intended application is to be determined by the authority having jurisdiction.

The materials, products or systems listed herein have been qualified to bear the QAI Listing Mark under the conditions stated with each Listing. Only those products bearing the QAI Listing Mark are considered to be listed by QAI.

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