

BUILDING PRODUCTS LISTING PROGRAM

Class: Mineral-fiber Fireproofing Materials – Grease Ducts

Customer: CL4 Inc.
Location: Kemptville, Ontario Canada
Website: <https://www.cl4fire.com>
Listing No. F405-1-4
Effective Date: January 6, 2012
Last Revised: January 30, 2021
Expires: N/A

Products: CL4Fire Blue Label Mineral-fiber Fireproofing Insulation
 CL4Fire Red Label & CL4Fire Code 96 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 Code 96*	6 (96)		

Note: CL4Fire Code 96 follows all the same installation requirements as CL4Fire Red Label but has an integral wire mesh per NFPA 96 4.2.3.2 for added support.

CL4Fire Blue Label, CL4Fire Red Label and CL4Fire Code 96 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
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 or CL4Fire Code 96	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.
- When used CL4Fire Code 96 should only be used in the outer wrap layer.

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