

As building construction, building use (residential or commercial), penetration and local code requirements (1 hour, 2 hour, etc.) vary; it is best to discuss fire stopping fire retardant polypropylene flue pipes with local code official and a fire stop professional.

The following is dimensional information of Z-DENS fire retardant polypropylene rigid pipe with resistance up to maximum flue gas temperature of 248F:

Outside Diameter		Min. Wall Thickness		Max. Wall Thickness	
mm	Inch	mm	Inch	mm	Inch
60	2.36	1.8	0.07	2.2	0.09
80	3.15	2.0	0.08	2.4	0.09
110	4.33	2.6	0.10	3.0	0.12
125	4.92	3.1	0.12	3.7	0.15
160	6.30	3.9	0.15	4.5	0.18
200	7.87	4.9	0.19	5.3	0.21

Here is contact information of some fire stop professionals:

Specified Technologies Inc.
210 Evans Way
Somerville, NJ 08876
Phone: 800-992-1180 or 908-526-8000
Email: techserv@stifirestop.com
www.stifirestop.com

Hilti North America
5400 South 122nd East Avenue
Tulsa, OK 74146
Phone: 800-879-8000
Email: us-sales@hilti.com
www.us.hilti.com/firestop

3Fire Protection Products

Ryan D. Fenstermaker - Sales Representative Industrial Adhesives & Tapes Division
East Brunswick, NJ 08816
Mobile: 732-921-1503
Email: rfenstermaker@mmm.com
www.3M.com/firestop

Passive Fire Protection Partners

1412 Derwent Way
Delta BC, V3M-6H9
Canada
Phone: 800-810-1788 or 604-515-1788
Email: firestop@firestop.com
www.firestop.com

U.S.A.

20 Commerce Park North, Bedford, NH 03110-6911
Tel: 603.669.5136 Fax: 888.889.3539 Toll Free: 800.654.5600

CANADA

452 Attwell Drive, Etobicoke, ON M9W 5C3
Tel: 416.679.0045 Fax: 416.679.0051

As with fire stopping; it is best to discuss obtaining flame spread/smoke developed rating of <25/<50 per UL-723 and ASTM E-84 with local code official and manufacturers of listed insulation wrap products for use with plastic pipes i.e. fire retardant polypropylene.

Here are some recommendations for UL-723, ASTM E-84 or ULC-S102 listed materials designed for use with plastic pipes:

[3M Fire Barrier Plenum Wrap 5A+](#)

[Knauf Insulation Atmosphere Duct Wrap with ECOSE Technology Unifrax](#)

[FyreWrap 0.5 Plenum Insulation](#)

WARNING

Follow insulation wrap manufacturer's instructions. After properly wrapping pipe with insulation support with suitable hangers. Hangers must not damage insulation wrap or vent.

U.S.A.

20 Commerce Park North, Bedford, NH 03110-6911
Tel: 603.669.5136 Fax: 888.889.3539 Toll Free: 800.654.5600

CANADA

452 Attwell Drive, Etobicoke, ON M9W 5C3
Tel: 416.679.0045 Fax: 416.679.0051

rev 11.2018