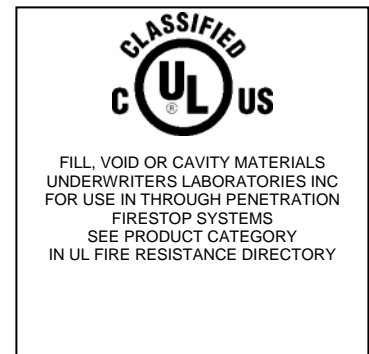
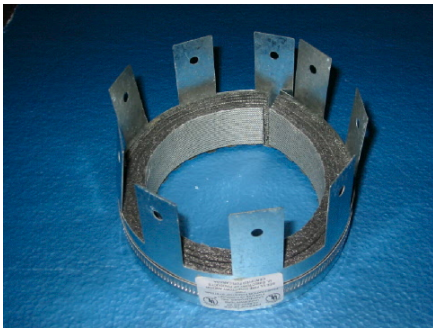


# FPT 100W, 100WC, 100WS

## FIRESTOP SYSTEMS SUMMARY



System Descriptions provided here are for **identification** purposes only, see UL<sup>®</sup> Fire Resistant Directory at [www.ul.com](http://www.ul.com) or go to [www.Flammadur.com](http://www.Flammadur.com) for details

The [www.flammadur.com](http://www.flammadur.com) website has architectural drawing in dwg and dwf formats



**Fire Protection Technologies, Inc.**

## UL<sup>®</sup> SYSTEMS FOR PLASTIC PIPES PASSING THROUGH FIRE RATED CONCRETE WALLS AND FLOORS

Using FPT 100WC with wraps in collars, or FPT 100WS with wraps in wall sleeves

MORE UL<sup>®</sup> SYSTEM DESCRIPTIONS ARE IN THE PROCESS OF BEING ADDED, CONTACT FPT

Max. Nominal Pipe Diameter (inch)	F (hr)	T (hr)	PVC	CPVC	ABS	Concrete Minimum Thickness (inch)	Annular Space (inch)	Comments	Depth of A109 caulk (inch)	UL <sup>®</sup> System Number
1.5	2	0	both	closed	both	4.5	9/16	**	1/2	Not yet available
2	2	1/4	closed	closed		5	1/2	***	1/2	W-J-8026
2	2	0	both	closed	both	4.5	9/16	**	1/2	Not yet available
2	3	3	*both	closed		4.5	3/16		1/2	C-AJ-2572
2	2	2			both	4.5	3/16		1/2	C-AJ-2572
3	2	0	both	closed		4.5	5/8	**	1/2	Not yet available
3	2	1.5	closed	closed		4.5	¾ to 7/8		2	Not yet available
4	2	2	*both	closed		4.5	0 to 1/2		1/4	Not yet available
4	2	1	both		both	4.5	1/4		Optional 1/2	Not yet available
4	2	1.5	*both	closed		4.5	1/4			C-AJ-2572
4	2	2			both	4.5	1/4			C-AJ-2572
4	3	1.5	*closed			4.5	1			Not yet available
4	2	0	*both	closed	both	4.5	¾ to 5/4	**	1/2	Not yet available
6	2	2	both			4.5	0 to 3/4	E473 4.5"	1/4	Not yet available
8	2	2	both			4.5	0 to 3/4	E473 4.5"	1/4	Not yet available
10	2	2	both			4.5	0 to 3/4	E473 4.5"	1/4	Not yet available

\*also PVC conduit      Closed or open = "both"

\*\*Plastic pipes can be installed at an angle from 90° to 45° from perpendicular.

\*\*\* No wrap strips and collar needed, only A109 intumescent acrylic caulk

<p><b>C-AJ-2572</b></p> <p>F = 2 and 3 Hrs T = 1-1/2, 2 and 3 Hrs</p>	<p>1 - Concrete Floor or Wall</p> <p>2 - PVC, CPVC, ABS Pipe, and Rigid Nonmetallic Conduit</p> <p>3 - Steel Collar lined with intumescent material FPT 100WC</p>	
<p><b>W-J-8026</b></p> <p>F = 2 Hr T = 1/4 Hr L Rating At Ambient - Less Than 1 CFM/Sq Ft L Rating At 400 F - 4 CFM/Sq Ft</p>	<p>1 - Concrete Wall (min. 5 in.thick)</p> <p>2 - Through penetrants:</p> <p>A. Nom 3 in. diam (or smaller) electrical metallic tubing (EMT).</p> <p>B. Max 25 pair - No. 24 AWG (or smaller) telephone cable with polyvinyl chloride (PVC) insulation and jacket.</p> <p>C. Max 3/C with ground - No. 10 AWG (or smaller) Type NM cable with PVC insulation and jacket.</p> <p>D. Nom 2 in. diam (or smaller) Schedule 40 PVC pipe for use in closed (process or supply) piping systems only.</p> <p>E. Max 300 kcmil (or smaller) power cable with PVC insulation and nylon jacket.</p>	

## UL<sup>®</sup> SYSTEMS FOR PLASTIC PIPES PASSING THROUGH FIRE RATED GYPSUM WALLS

Using FPT 100WC with wraps in collars, or FPT 100WS with wraps in wall sleeves  
Closed or open="both"

MORE UL<sup>®</sup> SYSTEM DESCRIPTIONS ARE IN THE PROCESS OF BEING ADDED, CONTACT FPT

Max. Nominal Pipe Diameter (inch)	F (hr)	T (hr)	PVC	CPVC	ABS	Annular Space (inch)	Comment	Depth Caulk A109 (Inch)	UL <sup>®</sup> System Number
1.25	1,2	0,1		closed		3/16		1/4	Not yet available
1.5	2	2	both			1/4	***	1	Not yet available
1.5	1,2	¼,1	both	closed	both	9/16	**	1/2	Not yet available
2	1,2	1,2	both	closed		0 to 7/8	***	1/2	Not yet available
2	2	2	both			11/16	***	1	Not yet available
2	1,2	1,2	closed	closed		3/8	***	Fill the space	W-J-8026
2	1,2	¼,1	both	closed	both	3/16	**	1/2	Not yet available
3	1,2	¼,1	both	closed	both	5/8	**	1/2	Not yet available
4	1,2	¼,1	both	closed	both	3/4	**	1/2	Not yet available
4	2	1.5	both			1/4			W-L-2476
4	2	1	*both	closed	both	1/4			W-L-2476
4	1	1	*both	closed	both	1/4	FRPP		W-L-2476
6	1,2	0,1	both			0 to 3/8		1/4	Not yet available
8	1,2	0,1	both			0 to 3/8		1/4	Not yet available

\* also PVC conduit

\*\* Plastic pipes can be installed at an angle from 90° to 45° from perpendicular

\*\*\* No wrap strips and collar needed, only A109 intumescent acrylic caulk

<p><b>W-L-2476</b></p> <p>F = 3 Hrs T = ¾, 1-1/2 and 2 Hrs</p>	<p>1 - 1 or 2 hrs fire-rated gypsum board/stud Wall Assembly</p> <p>2 - PVC Conduit, ABS Pipe, CPVC Pipe or FRPP Pipe</p> <p>3 - Steel Collar lined with intumescent material FPT 100WC</p>	
<p><b>W-L-2363</b></p> <p>F = 1 and 2 Hr (See Item 1) T = 1 and 2 Hr (See Item 1) L Rating At Ambient - Less Than 1 CFM/Sq Ft L Rating At 400 F - 4 CFM/Sq Ft</p>	<p>1. fire-rated gypsum wallboard/stud wall assembly</p> <p>A. <b>Studs</b> - Wall framing may consist of either wood studs or steel channel studs</p> <p>B. <b>Gypsum Board*</b> - 5/8 in. thick</p> <p>2. Non-metallic pipes</p> <p>A. <b>Polyvinyl Chloride (PVC) Pipe</b></p> <p>B. <b>Polyvinyl Chloride (PVC) Pipe</b></p> <p>3. Flammadur<sup>®</sup> A109 Intumescent Acrylic Sealant</p>	

## Availability:

FPT Product	Container	Quantity	No.
<b>Flammadur® A108</b>	<b>Cartridge</b>	<b>300 ml (10.1 fl oz)</b>	<b>40000</b>
	<b>Sausage</b>	<b>600 ml (20.2 fl oz)</b>	<b>40001</b>
	<b>Pail</b>	<b>5 US gallon</b>	<b>40002</b>
<b>Flammadur® A109</b>	<b>Cartridge</b>	<b>300 ml (10.1 fl oz)</b>	<b>40004</b>
	<b>Sausage</b>	<b>600 ml (20.2 fl oz)</b>	<b>40005</b>
	<b>Pail</b>	<b>5 US gallon</b>	<b>40006</b>
<b>Flammadur® A107</b>	<b>Sausage</b>	<b>600 ml (20.2 fl oz)</b>	<b>40007</b>
	<b>Pail</b>	<b>5 US gallon</b>	<b>40008</b>
	<b>Cartridge</b>	<b>300 ml (10.1 fl oz)</b>	<b>40009</b>
<b>Flammadur® E473</b>	<b>Bag</b>	<b>50 lbs (27.4 kg)</b>	<b>40010</b>
<b>Flammadur® E424</b>	<b>Pail</b>	<b>25 Kg (55 lbs)</b>	<b>40011</b>
<b>Flammadur® E201A</b>	<b>Pail</b>	<b>9 Kg (19.8 lbs)</b>	<b>40012</b>
<b>Flammadur® E201B</b>	<b>Pail</b>	<b>11 kg (24.2 lbs)</b>	<b>40013</b>
<b>Flammadur® A77</b>	<b>Pail</b>	<b>20 kg (44 lbs)</b>	<b>40014</b>
<b>FPT A110SP</b>	<b>Pail</b>	<b>5 US Gal (44 lbs)</b>	<b>40015</b>

	Nominal Diameter of Pipe (inch)	No. of Collars per Case	Weight of Collar +Clamp+ Packing (lb)	Weight of Case (lb)	No
<b>COLLAR FPT 100WC</b>	<b>1.5</b>	<b>12</b>	<b>0.38</b>	<b>4.6</b>	<b>41001</b>
	<b>2</b>	<b>10</b>	<b>0.70</b>	<b>7</b>	<b>41002</b>
	<b>3</b>	<b>10</b>	<b>1.04</b>	<b>10.4</b>	<b>41003</b>
	<b>4</b>	<b>6</b>	<b>1.78</b>	<b>10.7</b>	<b>41004</b>
	<b>6</b>	<b>2</b>	<b>4.8</b>	<b>9.6</b>	<b>41006</b>
	<b>8</b>	<b>2</b>	<b>8</b>	<b>16</b>	<b>41008</b>
	<b>10</b>	<b>1</b>	<b>10</b>	<b>10</b>	<b>41010</b>
	<b>12</b>	<b>1</b>	<b>12</b>	<b>12</b>	<b>41012</b>

<b>WALL SLEEVES FPT 100WS</b>	<b>Nominal Diameter of pipe (inch)</b>	<b>No. of Sleeves per case</b>	<b>Weight of sleeve (lb)</b>	<b>Weight of case (lb)</b>	<b>No</b>
<b>8 inch Long Sleeve For 90° angles only and for wall thicknesses between 4.5 and 6 inches</b>	<b>1.5</b>	<b>8</b>	<b>0.81</b>	<b>6.5</b>	<b>42001</b>
	<b>2</b>	<b>6</b>	<b>0.86</b>	<b>5</b>	<b>42002</b>
	<b>3</b>	<b>8</b>	<b>1.08</b>	<b>8.5</b>	<b>42003</b>
	<b>4</b>	<b>4</b>	<b>2.0</b>	<b>8</b>	<b>42004</b>
	<b>6</b>	<b>2</b>	<b>5.0</b>	<b>10</b>	<b>42006</b>
<b>12 inch Long Sleeve For acute angles between 45° and 90° and for wall thicknesses between 4.5 and 8 inches</b>	<b>1.5</b>	<b>8</b>	<b>1</b>	<b>8</b>	<b>42021</b>
	<b>2</b>	<b>8</b>	<b>1.5</b>	<b>9</b>	<b>42022</b>
	<b>3</b>	<b>6</b>	<b>1.75</b>	<b>10</b>	<b>42023</b>
	<b>4</b>	<b>4</b>	<b>2.75</b>	<b>11</b>	<b>42024</b>
	<b>6</b>	<b>2</b>	<b>6</b>	<b>12</b>	<b>42026</b>

**Products and Technical Assistance available from**

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	<p><b>Adolf R. Hochstim, PhD</b>                  Technical Director</p>	<p>e-mail: <a href="mailto:ahochstim@earthlink.net">ahochstim@earthlink.net</a></p>
<p><b>Charles R. Eminhizer, PhD</b>                  Thermal Physicist</p>	<p>e-mail: <a href="mailto:charles.eminhizer@yahoo.com">charles.eminhizer@yahoo.com</a>  <a href="mailto:ceminhizer@att.net">ceminhizer@att.net</a></p>	<p>Phone: (858) 442-2192</p>

**Warranty:**

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