

SpecSeal® Cast-In Firestop Device

SpecSeal®
CID

SpecSeal® Cast-In Firestop Devices consist of molded plastic sleeves incorporating an intumescent firestopping system and flexible smoke and water resistant seal. The molded plastic body can be easily cut as required to accommodate concrete thickness even in as little as 2.5 in (64 mm) of concrete. The 2 in (51 mm), 3 in (76 mm), 4 in (102 mm) and 6 in (152 mm) devices are sized to accommodate pipes ranging from 1.5 in (38 mm) to 6 in (152 mm) trade sizes. The 2 in, 3 in and 4 in devices are sold in four different heights, 8 in (203 mm), 10 in (254 mm), 20 in (508 mm) and 36 in (914 mm) to cover a large range of concrete thicknesses. The 6 in (152 mm) device is 8 in (203 mm) high and requires extension tubes (Catalog Number: CD600X) to lengthen the device for situations where the floor thickness is greater than 8 in (203 mm). Accessories are available to adapt SpecSeal® Cast-In Firestop Devices to other uses. Available accessories include a steel deck kit to facilitate installation in fluted metal deck as well as tub box and aerator adaptor.

Applications

SpecSeal® Cast-In Firestop Devices are engineered for use in concrete floors to form firestopped openings for various through penetrating items including plastic or metal pipes, cables, and insulated pipes.

Specifications

The firestop system shall be a single component, molded plastic sleeve supplied with a fully encapsulated, tamper-proof integral firestop system and smoke sealing gasket. The device shall be installed in accordance with the manufacturer's written instructions. The device shall also be certified by Underwriters Laboratories Inc. (UL) as a through-penetration firestop device when tested to ASTM E814 (UL1479) and CAN/ULC-S115 for up to a three hour rating.

Specified Divisions

Division 7	07 84 13	Penetration Firestopping
Division 22	22 00 00	Plumbing
Division 23	23 00 00	HVAC
Division 26	26 00 00	Electrical

Performance

SpecSeal® Cast-In Firestop Devices have been successfully tested in accordance with ASTM E814 (UL1479) and *CAN/ULC-S115 in one, two, and three hour fire-rated floor assemblies. Consult factory for individual system designs and application requirements. *2", 3" and 4" devices only tested to a pressure differential of 50 Pa.



Features & Benefits

- The 2 in, 3 in & 4 in sizes are made in USA
- Saves money by eliminating core drilling
- Saves time - no firestopping step required
- Visible yellow tube for added job site safety
- Provides pre-installed fire and smoke seal
- Provides added protection against transient water
- Adapts to a wide variety of construction conditions
- Pipes can be installed from top or bottom
- Four heights for a greater range of concrete depth
- Environmentally friendly
- *CAN/ULC-S115 certified - see ordering information
- Factory-metered dose of intumescence; eliminates guess work

*2", 3" and 4" devices only tested with a pressure differential of 50 Pa.

PHYSICAL PROPERTIES

Shell Construction	Polypropylene
Tube and Cap Construction	Polyethylene
Expansion Begins	320°F (160°C)
Volume Expansion	250x (free expansion)
In Service Temperature	Max. 130°F (54°C)
Shelf Life	No Limit

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DIMENSIONS

Cast-in Device			Deck Adapter		Aerator Box		
Trade Size Pipe	Device Footprint	Device Height	Deck Plate Footprint	Steel Deck Opening	Aerator Height	Aerator Width	Aerator Length
1.5" (38 mm) - 2" (51 mm)	4" (101 mm) x 4" (101 mm)	8" (203 mm), 10" (254 mm), 20" (508 mm) or 36" (914 mm)	4" (101 mm) x 10-3/8" (264 mm)	3-5/8" (93 mm)			
3" (76 mm)	5-3/4" (146 mm) x 5-3/4" (146 mm)	8" (203 mm), 10" (254 mm), 20" (508 mm) or 36" (914 mm)	5-3/4" (146 mm) x 11" (280 mm)	4-1/4" (108 mm)	4" (102 mm)	7" (178 mm)	11" (279 mm)
4" (102 mm)	6-3/4" (172 mm) x 6-3/4" (172 mm)	8" (203 mm), 10" (254 mm), 20" (508 mm) or 36" (914 mm)	6-3/4" (172 mm) x 12" (305 mm)	5-1/4" (134 mm)	4" (102 mm)	7" (178 mm)	11" (279 mm)
6" (152 mm)	9" (229 mm) x 9" (229 mm)	8" (203 mm)	9" (229 mm) x 15" (381 mm)	7-1/4" (184 mm)			

Limitations

This product has been designed to be safe with plastics. It has been used extensively and successfully with various types of plastic pipes, tubes, and plastic cable insulations. Variations in these materials, however, make it impossible to guarantee compatibility. STI strongly recommends that the user consults with the pipe, tubing, or cable manufacturer in question regarding any known sensitivities or potential restrictions before applying this product.

Maintenance

Installations should be inspected periodically for subsequent damage. Any damage should be repaired using SpecSeal® products.

System Selection

To find your firestop system or create a submittal, visit <https://systems.stifirestop.com/> to use System Search & Submittal Builder. You may also visit the [UL Online Certifications Directory/UL Product iQ™](#) for complete listings. (Firestop Systems).

Technical Service

Specified Technologies Inc. provides toll free technical support to assist in product selection and appropriate installation design. UL System designs suitable for submittal or specification purposes are available on request. A complete library of technical information is provided at the company's website www.stifirestop.com including Safety Data Sheets (SDS's).

Precautionary Information

No unusual hazards are known or expected. Observe normal safety procedures during installation.

Availability

SpecSeal® Cast-In Firestop Devices are available from Specified Technologies Inc. (STI) authorized distributors. For additional purchasing and technical information or for the names and locations of the nearest representative and/or distributor, regarding this and other Specified Technology products, please call 1-800-992-1180 or visit www.stifirestop.com.

DEVICES FOR COMBUSTIBLE AND NONCOMBUSTIBLE PENETRANTS

Catalog Number	UPC Number	Pipe Trade Size	Minimum Concrete Thickness	Maximum Concrete Thickness	(UOM) Qty.	Case Qty.	Weight (Each)
CD201	730573342060	1.5 in (38 mm) - 2 in (51 mm)	2.5 in (64 mm)	10 in (254 mm)	1	12	0.65 lbs (0.29 kg)
CD20108	730573342190	1.5 in (38 mm) - 2 in (51 mm)	2.5 in (64 mm)	8 in (203 mm)	1	12	0.53 lbs (0.24 kg)
CD202	730573342077	1.5 in (38 mm) - 2 in (51 mm)	2.5 in (64 mm)	20 in (254 mm)	1	6	0.97 lbs (0.44 kg)
CD203	730573342237	1.5 in (38 mm) - 2 in (51 mm)	2.5 in (64 mm)	36 in (914 mm)	1	6	1.29 lbs (0.59 kg)
CD301	730573343074	3 in (76 mm)	2.5 in (64 mm)	10 in (254 mm)	1	12	1.16 lbs (0.53 kg)
CD30108	730573343203	3 in (76 mm)	2.5 in (64 mm)	8 in (203 mm)	1	12	0.98 lbs (0.44 kg)
CD302	730573343081	3 in (76 mm)	2.5 in (64 mm)	20 in (508 mm)	1	6	1.23 lbs (0.56 kg)
CD303	730573343241	3 in (76 mm)	2.5 in (64 mm)	36 in (914 mm)	1	6	0.47 lbs (0.21 kg)

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DEVICES FOR COMBUSTIBLE AND NONCOMBUSTIBLE PENETRANTS (CONTINUED)

Catalog Number	UPC Number	Pipe Trade Size	Minimum Concrete Thickness	Maximum Concrete Thickness	(UOM) Qty.	Case Qty.	Weight (Each)
CD401	730573344088	4 in (102 mm)	2.5 in (64 mm)	10 in (254 mm)	1	12	1.84 lbs (0.83 kg)
CD40108	730573344194	4 in (102 mm)	2.5 in (64 mm)	8 in (203 mm)	1	12	1.27 lbs (0.57 kg)
CD402	730573344095	4 in (102 mm)	2.5 in (64 mm)	20 in (508 mm)	1	6	2.48 lbs (1.12 kg)
CD403	730573344231	4 in (102 mm)	2.5 in (64 mm)	36 in (914 mm)	1	6	3.25 lbs (1.47 kg)
CD601	730573347003	2.5 in (64 mm)	2.5 in (64 mm)	8 in (203 mm)	1	6	2.24 lbs (1.02 kg)

DEVICES FOR COMBUSTIBLE AND NONCOMBUSTIBLE PENETRANTS - CANADA (TO MEET CAN/ULC-S115)

Catalog Number	UPC Number	Pipe Trade Size	Minimum Concrete Thickness	Maximum Concrete Thickness	(UOM) Qty.	Case Qty.	Weight (Each)
CD20108C	730573343470	1.5 in (38 mm) - 2 in (51 mm)	2.5 in (64 mm)	8 in (203 mm)	1	12	0.53 lbs (0.24 kg)
CD201C	730573342138	1.5 in (38 mm) - 2 in (51 mm)	2.5 in (64 mm)	10 in (254 mm)	1	12	0.62 lbs (0.28 kg)
CD202C	730573342343	1.5 in (38 mm) - 2 in (51 mm)	2.5 in (64 mm)	20 in (508 mm)	1	6	0.97 lbs (0.44 kg)
CD203C	730573342350	1.5 in (38 mm) - 2 in (51 mm)	2.5 in (64 mm)	36 in (914 mm)	1	6	1.36 lbs (0.62 kg)
CD30108C	730573343487	3 in (76 mm)	2.5 in (64 mm)	8 in (203 mm)	1	12	0.98 lbs (0.44 kg)
CD301C	730573343135	3 in (76 mm)	2.5 in (64 mm)	10 in (254 mm)	1	12	1.13 lbs (0.51 kg)
CD302C	730573343371	3 in (76 mm)	2.5 in (64 mm)	20 in (508 mm)	1	6	1.23 lbs (0.56 kg)
CD303C	730573343388	3 in (76 mm)	2.5 in (64 mm)	36 in (914 mm)	1	6	0.47 lbs (0.21 kg)
CD401	730573344088	4 in (102 mm)	2.5 in (64 mm)	10 in (254 mm)	1	12	1.84 lbs (0.83 kg)
CD40108	730573344194	4 in (102 mm)	2.5 in (64 mm)	8 in (203 mm)	1	12	1.27 lbs (0.57 kg)
CD402	730573344095	4 in (102 mm)	2.5 in (64 mm)	20 in (508 mm)	1	6	2.48 lbs (1.12 kg)
CD403	730573344231	4 in (102 mm)	2.5 in (64 mm)	36 in (914 mm)	1	6	0.52 lbs (0.23 kg)

CAST-IN AERATOR ADAPTER

Catalog Number	UPC Number	Description	Pipe Trade Size	(UOM) Qty.	Case Qty.	Weight (Each)
CD300A	730573343050	3 in (76 mm) Cast In Device Aerator Adapter, Device not Included	3 in (76 mm)	1	6	1.61 lbs (0.73 kg)
CD400A	730573344058	4 in (102 mm) Cast In Device Aerator Adapter, Device not Included	4 in (102 mm)	1	6	1.80 lbs (0.82 kg)

CAST-IN TUB BOX

Catalog Number	UPC Number	Description	(UOM) Qty.	Case Qty.	Weight (Each)
CD23T	730573342404	Tub Box Kit for 2 in (51 mm) & 3 in (76 mm) Cast-In Devices, Device not Included	1	1	1.88 lbs (0.85 kg)
CD201T	730573342091	Tub Box Kit for min 4.5 in (114 mm) thick concrete floors with 2" Device	1	1	3.62 lbs (1.64 kg)

CAST-IN DECK ADAPTER KITS

Catalog Number	UPC Number	Pipe Trade Size	(UOM) Qty.	Case Qty.	Weight (Each)
CD201DK	730573342084	1.5 in (38 mm) - 2 in (51 mm)	1	6	0.70 lbs (0.32 kg)
CD301DK	730573343098	3 in (76 mm)	1	6	0.95 lbs (0.43 kg)
CD401DK	730573344101	4 in (102 mm)	1	6	1.24 lbs (0.56 kg)
CD601DK	730573343043	6 in (152 mm)	1	6	2.22 lbs (1.01 kg)

CAST-IN EXTENSION

Catalog Number	UPC Number	Description	(UOM) Qty.	Case Qty.	Weight (Each)
CD600X	730573346020	6 in (152 mm) Cast-in Device Extension for CD601, Extension Only *Extension CD600X is required. 6 in (152 mm) increment	1	6	0.53 lbs (0.24 kg)

CAST-IN DRAIN DEVICE

Catalog Number	UPC Number	Description	(UOM) Qty.	Case Qty.	Weight (Each)
CD201FD	730573342435	2 in (51 mm) Trade Size Floor Drain Device	1	12	3.62 lbs (1.64 kg)

IMPORTANT NOTICE: ALL STATEMENTS, TECHNICAL INFORMATION, AND RECOMMENDATIONS CONTAINED HEREIN ARE BASED UPON TESTING BELIEVED TO BE RELIABLE, BUT THE ACCURACY AND COMPLETENESS THEREOF IS NOT GUARANTEED.

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