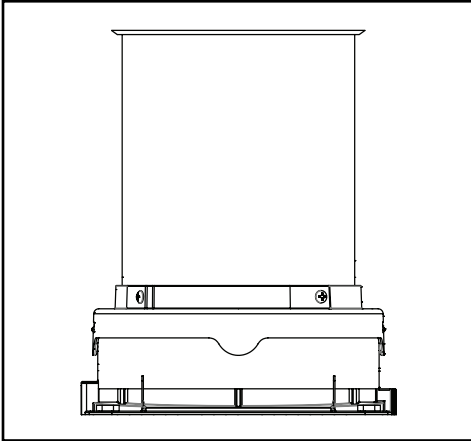




CAST-IN FIRESTOP DEVICE

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.



PRODUCT DESCRIPTION

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 2-1/2 in. (64 mm) of concrete. The 2, 3, 4 and 6 in. (51, 76, 102 and 152 mm) devices are sized to accommodate pipes ranging from 1-1/2 to 6 in. (38 to 152 mm) trade sizes. The 2, 3 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 (Cat No.: 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.

	<p>SpecSeal® Cast In Firestop Device CERTIFIED FOR USE IN THROUGH-PENETRATION FIRESTOP SYSTEMS. SEE UL ONLINE CERTIFICATIONS DIRECTORY.</p>	
--	--	--

FEATURES

- The 2, 3 & 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 classified* 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.

PERFORMANCE

SpecSeal® Cast-In Firestop Devices have been successfully tested in accordance with ASTM E814 (ANSI/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.

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 classified by Underwriters Laboratories Inc. (UL) as a through-penetration firestop device when tested to ASTM E814 (ANSI/UL1479) or CAN/ULC-S115 for up to a 3 hr rating.

PHYSICAL PROPERTIES

Table A:

PROPERTIES	CAST-IN FIRESTOP DEVICE
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	None

SPECIFIED DIVISIONS		
Division	Section	Title
3	03 11 00	Concrete Forming
3	03 30 00	Cast-in-Place Concrete
7	07 84 00	Firestopping



Table B:

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
1-1/2" (38 mm) - 2" (51mm)	4" x 4" (101 mm x 101 mm)	8", 10", 20" or 36" (203 mm, 254 mm, 508 mm or 914 mm)	4" x 10-3/8" (101 mm x 264 mm)	3-5/8" (93 mm)			
3" (76 mm)	5-3/4" x 5-3/4" (146 mm x 146 mm)	8", 10", 20" or 36" (203mm, 254mm, 508mm or 914mm)	5-3/4" x 11" (146 mm x 280 mm)	4-1/4" (108 mm)	4" (102 mm)	7" (178 mm)	11" (279 mm)
4" (102 mm)	6-3/4" x 6-3/4" (172 mm x 172 mm)	8", 10", 20" or 36" (203 mm, 254 mm, 508 mm or 914 mm)	6-3/4" x 12" (172 mm x 305 mm)	5-1/4" (134 mm)	4" (102 mm)	7" (178 mm)	11" (279 mm)
6" (152 mm)	9" x 9" (229 mm x 229 mm)	8" (203 mm)	9" x 15" (229 mm x 381 mm)	7-1/4" (184 mm)			

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 classified by Underwriters Laboratories Inc. (UL) as a through-penetration firestop device when tested to ASTM E814 (ANSI/UL1479) or CAN/ULC-S115 for up to a 3 hr rating.

MAINTENANCE

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

TECHNICAL SERVICE

Specified Technologies Inc. provides toll free technical support to assist in product selection and appropriate installation design. UL Systems, Material Safety Data Sheets and other technical information is available at the Technical Library at www.stifirestop.com.

PRECAUTIONARY INFORMATION

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

WARRANTY INFORMATION

STI typically warrants its products for one full year. For complete details of our standard warranty, please visit www.stifirestop.com/legal/warranty



ORDERING INFORMATION

SpecSeal® Cast-In Firestop Devices are available from authorized STI distributors worldwide. Visit www.stifirestop.com or call 800.992.1180 for information concerning where to purchase these and other STI products.

Devices For Combustible And Noncombustible Penetrants							
UPC #730573	CAT NO.	PIPE TRADE SIZE	MINIMUM CONCRETE THICKNESS	MAXIMUM CONCRETE THICKNESS	QTY.	CASE QTY.	WEIGHT (EACH)
34206	CD201	1.5 in. (38 mm) - 2 in. (51 mm)	2.5 in. (64 mm)	10 in. (254 mm)	1	12	0.55 lbs (0.25 kg)
34219	CD20108	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)
34207	CD202	1.5 in. (38 mm) - 2 in. (51 mm)	2.5 in. (64 mm)	20 in. (254 mm)	1	6	1.05 lbs (0.47 kg)
34223	CD203	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)
34307	CD301	3 in. (76 mm)	2.5 in. (64 mm)	10 in. (254 mm)	1	12	1.05 lbs (0.48 kg)
34320	CD30108	3 in. (76 mm)	2.5 in. (64 mm)	8 in. (203 mm)	1	12	0.98 lbs (0.44 kg)
34308	CD302	3 in. (76 mm)	2.5 in. (64 mm)	20 in. (508 mm)	1	6	1.37 lbs (0.62 kg)
34324	CD303	3 in. (76 mm)	2.5 in. (64 mm)	36 in. (914 mm)	1	6	2.04 lbs (0.93 kg)
34408	CD401	4 in. (102 mm)	2.5 in. (64 mm)	10 in. (254 mm)	1	12	1.62 lbs (0.73 kg)
34419	CD40108	4 in. (102 mm)	2.5 in. (64 mm)	8 in. (203 mm)	1	12	1.52 lbs (0.69 kg)
34409	CD402	4 in. (102 mm)	2.5 in. (64 mm)	20 in. (508 mm)	1	6	2.21 lbs (1.00 kg)
34423	CD403	4 in. (102 mm)	2.5 in. (64 mm)	36 in. (914 mm)	1	6	3.10 lbs (1.41 kg)
34600	CD600*	6 in. (152 mm)	4.5 in. (114 mm)	8 in. (203 mm)	1	6	2.23 lbs (1.01 kg)

Devices for Combustible and Noncombustible Penetrants - Canada (To Meet CAN/ULC-S115)							
UPC #730573	CAT NO.	PIPE TRADE SIZE	MINIMUM CONCRETE THICKNESS	MAXIMUM CONCRETE THICKNESS	QTY.	CASE QTY.	WEIGHT (EACH)
34213	CD201C	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)
34234	CD202C	1.5 in. (38mm) - 2 in. (51mm)	2.5 in. (64 mm)	20 in. (508 mm)	1	6	0.88 lbs (0.40 kg)
34235	CD203C	1.5 in. (38mm) - 2 in. (51mm)	2.5 in. (64 mm)	36 in. (914 mm)	1	6	1.36 lbs (0.62 kg)
34313	CD301C	3 in. (76 mm)	2.5 in. (64 mm)	10 in. (254 mm)	1	12	1.13 lbs (0.51 kg)
34337	CD302C	3 in. (76 mm)	2.5 in. (64 mm)	20 in. (508 mm)	1	6	1.49 lbs (0.68 kg)
34338	CD303C	3 in. (76 mm)	2.5 in. (64 mm)	36 in. (914 mm)	1	6	2.15 lbs (0.98 kg)
34408	CD401	4 in. (102 mm)	2.5 in. (64 mm)	10 in. (254 mm)	1	12	1.62 lbs (0.73 kg)
34419	CD40108	4 in. (102 mm)	2.5 in. (64 mm)	8 in. (203 mm)	1	12	1.52 lbs (0.69 kg)
34409	CD402	4 in. (102 mm)	2.5 in. (64 mm)	20 in. (508 mm)	1	6	2.21 lbs (1.00 kg)
34423	CD403	4 in. (102 mm)	2.5 in. (64 mm)	36 in. (914 mm)	1	6	3.10 lbs (1.41 kg)

CAST-IN AERATOR ADAPTER								
UPC# 730573	CAT NO.	DESCRIPTION			PIPE TRADE SIZE	QTY	CASE QTY.	WEIGHT (EACH)
34305	CD300A	3 in. (76 mm) Cast In Device Aerator Adapter, Device not Included			3 in. (76 mm)	1	6	0.48 lbs (0.21 kg)
34405	CD400A	4 in. (102 mm) Cast In Device Aerator Adapter, Device not Included			4 in. (102 mm)	1	6	1.90 lbs (0.86 kg)

CAST-IN TUB BOX							
UPC# 730573	CAT NO.	DESCRIPTION			QTY	CASE QTY.	WEIGHT (EACH)
34240	CD23T	Tub Box Kit for 2" & 3" Cast-In Devices, Device not Included			1	1	1.93 lbs (0.87 kg)
34209	CD201T	Tub Box Kit for min 4-1/2" thick concrete floors with 2" Device			1	1	3.855 lbs (1.75 kg)

CAST-IN DECK ADAPTER KITS							
UPC# 730573	CAT NO.	PIPE TRADE SIZE	QTY	CASE QTY.	WEIGHT (EACH)		
34208	CD201DK	1.5 in. (38 mm) - 2 in. (51 mm)	1	6	0.48 lbs (0.21 kg)		
34309	CD301DK	3 in. (76 mm)	1	6	0.54 lbs (0.25 kg)		
34410	CD401DK	4 in. (102 mm)	1	6	0.67 lbs (0.30 kg)		
34603	CD600DK	6 in. (152 mm)	1	6	1.90 lbs (0.86 kg)		

MADE IN THE USA – COPYRIGHT © 2018 SPECIFIED TECHNOLOGIES INC.



Technical Service 1-800-992-1180
www.stifirestop.com

STI Product Data Sheet • Cast-In Firestop Device • FOD-5113 0648