



# T-COLLAR™ - PENETRANT HEAT-SINKING DEVICE

## APPLICATIONS

Where codes require equal F and T Ratings, the SpecSeal® T-Collar™ (in conjunction with appropriate SpecSeal Firestop Sealants) is used as a heat-sinking device to reduce temperature transmission through metallic pipes and conduits.



## PRODUCT DESCRIPTION

The SpecSeal® T-Collar™ Penetrant Heat-Sinking Device is a patented design utilizing sealed thermal heat sink packs, protected by a strong metal outer shell. The device is secured directly to metal pipes or conduits on the top side of floors or on both sides of walls. Combined with appropriate SpecSeal® Firestop Products, UL Systems incorporating this device have been tested to provide T Ratings up to 2 hours.

### FEATURES

- Easy to install
- Requires no ampacity derating; safer than insulating electrical conductors
- Code compliant solutions for providing T Ratings
- Easily identifiable to ease the inspection process

## PERFORMANCE

SpecSeal® T-Collar™ Penetrant Heat-Sinking Devices have been successfully tested in conjunction with SpecSeal® Firestop Products in accordance with ASTM E814, ANSI/UL1479, and CAN/ULC S115 in one, two, and three hour fire-rated floor and wall assemblies. Consult factory for individual system designs and application requirements.



FIRESTOP DEVICE FOR USE IN THROUGH-PENETRATION FIRESTOP SYSTEMS. SEE UL FIRE RESISTANCE DIRECTORY.

8L98

## PHYSICAL PROPERTIES

PROPERTIES:	T-COLLAR
Shell Construction:	Galvanized steel; 24 gauge (0.03 in. or 0.76 mm thick)
Standard Height:	9 in. (228.6 mm)
Thickness (Coolant Wrap and Shell):	1.05 in. (26.7 mm)
In-Service Temperature:	Min. 10° F (-12° C); Max 140° F (60° C)
Clearance Required Between Pipes:	2-1/2 in. (64 mm)
Storage Temperature:	35° F (2° C) to 100° F (38° C)
In-Service Temperature	<130° F (54° C)
VOC Content	N.A.

## SPECIFICATIONS

The firestop system shall provide for an equal F and T Rating as per relevant building code requirements. The firestop device used to achieve the T Rating shall be a thermal collar device consisting of a coolant wrap protected by a galvanized steel collar secured around the pipe or conduit. The thermal collar firestop device shall be installed in accordance with the manufacturer's instructions. The device shall be classified by Underwriters Laboratories Inc. (UL) as a through-penetration firestop device when tested to ASTM E814, ANSI/UL1479, or CAN/ULC S115.

SPECIFIED DIVISIONS		
Division	Section	Title
7	07 84 00	Firestopping
22	22 00 00	Plumbing
26	26 00 00	Electrical



## INSTALLATION INSTRUCTIONS

After installation of firestop system per approved UL Classified System, wrap the T-Collar's coolant wrap (with label facing out) continuously around the penetrant to form a minimum of two layers. Temporarily hold the coolant wrap with tape. Position or slide wrap such that it is above or near the barrier surface.

Encircle coolant wrap with steel collar such that wrap is positioned within vented pocket of steel collar. Maintain minimum 1/8 in. overlap along perimeter joint. Allow coolant wrap to float between bottom and top flanges of steel restraining collar. Avoid pinching or catching coolant wrap between flange and penetrant surface. Loosely install stainless steel hose clamps on bottom and top flanges of steel restraining collar. Do not tighten until device is moved into proper position.

Slide steel restraining collar and coolant wrap as one unit until the bottom edge of flange is in contact with firestop sealant and/or barrier surface. Tighten hose clamps to secure device in place.

## MAINTENANCE

Installations should be periodically inspected 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](http://www.stifirestop.com).

## PRECAUTIONARY INFORMATION

Under normal circumstances, no unusual hazards are known or expected. Observe normal safety procedures during installation. Warning: Coolant is conductive. Exercise care when installing around or near electrical conductors. Do not allow coolant to come into contact with energized electrical conductors. If coolant leaks from wrap, allow it to air dry or soak it up with sponge, cloth, or towel. Spilled coolant may be slippery. Replace any wrap that leaks coolant. Do not trim, cut, tear, rip, or puncture coolant wrap. Coolant wrap is specifically designed to re-direct coolant from neighboring packets during fire conditions. Cutting, trimming, or damaging coolant wrap may cause premature coolant leakage thereby compromising performance under fire conditions. Protect coolant wrap from freezing. If the coolant wrap freezes, allow it to thaw naturally prior to installation by placing it in a room with an ambient temperature between 40° F (4° C) and 100° F (38° C). Do not apply a heat gun or other heat source in an attempt to speed up the thawing process.

## AVAILABILITY

SpecSeal® T-Collar™ Penetrant Heat-Sinking Devices are available from authorized STI distributors worldwide. Visit [www.stifirestop.com](http://www.stifirestop.com) or call 800.992.1180 for information concerning where to purchase these and other STI products.

### ORDERING INFORMATION

Cat. No.	Description	Case Qty.
TC200	2" (51 mm) trade size thermal collar device	1
TC300	3" (76 mm) trade size thermal collar device	1
TC400	4" (102 mm) trade size thermal collar device	1
LCI300	Intumescent Sealant 10.1 oz. Tube (18.2 Cu. In., 300 ml)	12

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