STI FS200

STI FS200 2-Inch Firestop Sleeve Kit Instruction Manual

1. INTRODUCTION

The STI FS200 SpecSeal Ready Sleeve Kit is engineered to provide a UL Classified and code-compliant firestop penetration for cables through fire-rated walls or floors. This kit offers a complete solution, simplifying the installation process and ensuring fire safety compliance.

The FS200 sleeve is suitable for installation in barriers up to 10 inches (250 mm) thick. When properly installed, the sleeve maintains the fire resistance rating of the barrier, preventing the spread of fire and smoke.

2. SAFETY INFORMATION

Adherence to safety guidelines is crucial during installation. Always observe the following precautions:

- Always wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Ensure the work area is well-ventilated.
- Consult local building codes and fire safety regulations to ensure compliance.
- Do not modify the product in any way not specified in these instructions.
- This product is intended for new cable installations only and cannot be used to retrofit existing violations without proper assessment by a qualified professional.

3. PRODUCT OVERVIEW

3.1 Components

The STI FS200 Ready Sleeve Kit includes the following components:

- 2-inch (51 mm) Sleeve (galvanized steel)
- Escutcheon Plates
- Gaskets
- Firestop Putty

3.2 Features

Key features of the FS200 kit include:

- Provides a comprehensive, UL Classified solution for cable penetrations.
- Eliminates the need for cutting conduit and strut, saving installation time.
- Designed for quick and efficient installation.
- No external caulking is required for sealing.

Figure 1: The STI FS200 2-inch firestop sleeve kit. This image displays the main components of the kit, including the galvanized steel sleeve, escutcheon plates, and securing hardware.

4. Setup and Installation

Follow these steps for proper installation of the STI FS200 Firestop Sleeve Kit:

1. **Prepare the Opening:** Create a circular opening in the fire-rated wall or floor. A 2.5-inch hole saw is recommended for optimal fit. For accurate alignment, predrill with a smaller bit before using the hole saw.

2. **Insert the Sleeve:** Position the 2-inch sleeve within the prepared opening. The sleeve should be centered within the barrier, extending an equal distance from both sides of the wall or floor.

3. **Secure Components:** Place the gaskets and escutcheon plates onto the sleeve on both sides of the barrier. Secure them firmly using the provided hardware. Ensure a snug fit against the barrier surface.

4. **Apply Firestop Putty:** Use the provided firestop putty to seal any remaining annular space between the sleeve and the opening, and around any cables passing through the sleeve. Ensure a complete and tight seal to prevent the passage of smoke and fire.

5. **Cable Installation:** Route cables through the installed sleeve. Ensure that the cables do not exceed the fill capacity of the sleeve and that the firestop putty maintains its seal around all cables.

Important Note: This system is designed for new cable installations. Retrofitting existing penetrations may require different methods or additional firestop materials. Consult relevant firestop listings and local codes.

5. Operating Instructions

The STI FS200 Firestop Sleeve Kit functions as a passive fire protection system. Once correctly installed, it operates continuously to maintain the fire resistance rating of the penetrated barrier. There are no active operational steps required for the sleeve itself.

Its primary function is to prevent the passage of flame, smoke, and hot gases through openings created for cables in fire-rated constructions.

6. Maintenance

To ensure the continued effectiveness of the firestop system, periodic inspection and maintenance are recommended:

- **Regular Inspection:** Visually inspect the firestop sleeve and the surrounding firestop material at regular intervals, or as required by local codes. Check for any signs of damage, degradation, or dislodgement.
- **Seal Integrity:** Verify that the firestop putty around the cables and between the sleeve and the barrier remains intact and provides a complete seal.
- **Cable Modifications:** If cables are added, removed, or modified, ensure that the firestop system is re-sealed according to the manufacturer's instructions and relevant firestop listings to maintain its fire rating.
- **Damage Repair:** Any damage to the sleeve or firestop material should be repaired immediately using approved STI firestop products and methods.

7. TROUBLESHOOTING

This section addresses common issues that may arise during or after installation:

- **Issue: Sleeve not fitting correctly in the opening.**
  Solution: Verify that the hole size in the barrier is approximately 2.5 inches. Ensure the barrier thickness does not exceed the maximum 10-inch limit for the FS200 sleeve.

- **Issue: Visible gaps or openings around the sleeve or cables after installation.**
  Solution: Reapply or add additional firestop putty to completely fill all annular spaces and ensure a tight, continuous seal around the sleeve and all cables.

- **Issue: Concerns about fire code compliance.**
  Solution: Review the installation against the specific UL Classified listings for the STI FS200. Consult local fire safety authorities or a qualified firestop contractor for verification and guidance.
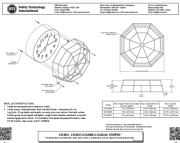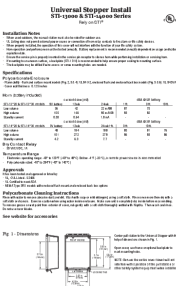
8. SPECIFICATIONS

Specification	Detail
Model Number	FS200
Manufacturer	STI (Specified Technologies Inc.)
Sleeve Size	2 inches (51 mm) Trade Size
Maximum Barrier Thickness	10 inches (250 mm)
ASIN	B079DWV4TC
First Available Date	February 6, 2012

9. WARRANTY AND SUPPORT

For detailed warranty information regarding the STI FS200 Firestop Sleeve Kit, please refer to the official documentation provided by Specified Technologies Inc. (STI) or visit their official website.

For technical support, product inquiries, or assistance with specific application requirements, please contact STI customer service directly through their official channels.

Related Documents - FS200

	STI Universal Stopper STI-13000 & STI-14000 Series Installation Guide Installation guide and specifications for STI Universal Stopper models STI-13000 and STI-14000 series, covering installation notes, technical specifications, mounting options, wiring, and warranty.
	STI Clock/Bell Damage Stopper and Wire Guard Catalog Safety Technology International (STI) provides installation instructions for the STI-9635, STI-9636, and STI-9637 Clock/Bell Damage Stopper. The document also features a comprehensive catalog of STI wire guards for various applications including smoke detectors, PIR sensors, exit signs, emergency lights, beacons, sounders, and miscellaneous uses, detailing model numbers and dimensions.
	STI Universal Stopper Installation Guide: STI-13000 & STI-14000 Series Comprehensive installation guide for STI Universal Stopper models STI-13000 and STI-14000, covering specifications, mounting options, horn details, and safety information.
	STI Stopper II Series: Protective Cover for Fire Alarm Pull Stations - Installation & Specifications Comprehensive guide to the STI Stopper II Series protective cover for manual fire alarm pull stations. Features include physical damage protection, optional audible alarm, weather resistance (NEMA 3R), and ADA compliance. Details installation steps, specifications, testing approvals, and maintenance.
	STI Exit Stopper® - Door Alarm and Security Device Learn about the STI Exit Stopper®, a versatile electronic alarm designed to prevent unauthorized exits and entries through emergency doors, offering features like visual beacons, customizable labels, and remote monitoring capabilities.

[STI Exit Stopper: Security and Theft Prevention Device](#)

Learn about the STI Exit Stopper (STI-6400 series), a versatile security device designed to deter theft and alert to unauthorized exits or entries through emergency doors. Features include adjustable alarms, durable construction, and easy installation.