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> Hilti 2042710 Filler Module CFS-T FB EX 20/0 Instruction Manual

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Instruction Manual

Brand: HILTI | Model: CFS-T FB EX 20/0

1. INTRODUCTION

This manual provides essential information for the safe and effective use of the Hilti 2042710 Filler Module CFS-T FB EX 20/0. Please read all instructions carefully before installation and operation to ensure proper performance and safety.



This image displays the Hilti 2042710 Filler Module CFS-T FB EX 20/0, a solid red rectangular block designed for firestop applications. The surface features embossed text indicating 'HILTI Filler Block CFS-T FB-20/0' and hexagonal patterns containing 'Ex' symbols, signifying its suitability for explosive atmospheres.

2. SAFETY INFORMATION

Always adhere to local safety regulations and guidelines when working with firestop materials. This product is designed for specific applications and should only be used by qualified personnel.

- Wear appropriate personal protective equipment (PPE), including gloves and eye protection.
- Ensure the work area is well-ventilated.
- Keep out of reach of children.
- Refer to the product's Safety Data Sheet (SDS) for detailed information on material properties and handling.
- Do not modify the product. Use only as intended.

3. SETUP AND INSTALLATION

The Hilti CFS-T FB EX 20/0 Filler Module is typically used in conjunction with other Hilti firestop systems for sealing cable and pipe penetrations in walls and floors.

1. **Prepare the Opening:** Ensure the penetration opening is clean, dry, and free from loose debris. The opening dimensions must be suitable for the module and other system components.
2. **Insert Cables/Pipes:** Route all necessary cables or pipes through the opening before installing the modules.
3. **Module Insertion:** Insert the CFS-T FB EX 20/0 modules into the opening around the cables/pipes. The modules are designed to fit snugly. Ensure proper orientation as per system design.
4. **Fill Gaps:** Use additional Hilti firestop products (e.g., intumescent sealant or foam) to fill any remaining gaps or voids around the modules and the perimeter of the opening, ensuring a complete fire and smoke seal.
5. **Inspect:** Visually inspect the installed system to confirm all components are correctly placed and sealed according to Hilti's technical documentation and local building codes.

4. OPERATING PRINCIPLES

The Hilti CFS-T FB EX 20/0 Filler Module functions as a component within a passive fire protection system. It is designed to expand when exposed to high temperatures, effectively sealing off penetrations and preventing the spread of fire, smoke, and hot gases through openings in fire-rated constructions. This module is specifically rated for use in explosive atmospheres (Ex).

No active 'operation' by the user is required once installed; its function is passive and reactive to fire conditions.

5. MAINTENANCE

Once installed, the Hilti CFS-T FB EX 20/0 Filler Module requires minimal maintenance. Regular inspections of the firestop system are recommended to ensure its integrity.

- **Annual Inspection:** Periodically inspect the firestop seal for any signs of damage, degradation, or disturbance.
- **Damage Assessment:** If any damage is observed (e.g., cracks, dislodged modules, or compromised sealant), assess the extent of the damage.
- **Repair:** Repair or replace damaged components immediately using only approved Hilti products and following Hilti's installation guidelines.
- **Cleaning:** Keep the area around the firestop system clean and free from obstructions.

6. TROUBLESHOOTING

As a passive firestop component, the module itself does not typically 'malfunction'. Troubleshooting primarily involves identifying issues with the installation or the overall firestop system's integrity.

Problem	Possible Cause	Solution
Module appears loose or dislodged.	Improper initial installation; movement of cables/pipes; external impact.	Re-seat the module firmly. If necessary, remove and re-install according to instructions. Ensure surrounding sealant is intact.
Gaps or voids visible around the module or penetration.	Incomplete sealing during installation; material shrinkage.	Apply additional Hilti firestop sealant or foam to fill all gaps and ensure a continuous seal.
Signs of damage (e.g., cracks, material degradation).	Physical damage; exposure to unsuitable conditions; aging.	Replace the damaged module and any compromised surrounding firestop materials. Consult Hilti for guidance.

7. SPECIFICATIONS

- **Product Name:** Hilti 2042710Filler Module CFS-T FB EX 20/0
- **Model Number:** CFS-T FB EX 20/0
- **ASIN:** B079XZ1MR5
- **Manufacturer:** Hilti
- **Date First Available:** February 20, 2018
- **Application:** Firestop for cable and pipe penetrations in explosive atmospheres.
- **Material:** Intumescent material (specific composition proprietary to Hilti).
- **Color:** Red

8. WARRANTY INFORMATION

Hilti products are manufactured to high quality standards. For specific warranty terms and conditions applicable to the Hilti 2042710Filler Module CFS-T FB EX 20/0, please refer to the official Hilti warranty statement available on the Hilti website or contact Hilti customer service directly. Warranty coverage typically applies to defects in materials and workmanship under normal use and service.

9. SUPPORT

For technical assistance, product inquiries, or support regarding the Hilti 2042710Filler Module CFS-T FB EX 20/0, please contact Hilti customer service or your local Hilti representative.

- **Hilti Official Website:** www.hilti.com
- **Customer Service:** Refer to the Hilti website for regional contact numbers and support options.