

## HILTI 2102433

# HILTI CP 680-P 6" Firestop Lid Instruction Manual

Model: 2102433

## 1. INTRODUCTION

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This manual provides essential information for the safe and effective installation, operation, and maintenance of the HILTI CP 680-P 6" Firestop Lid (Model 2102433). This product is designed to provide fire protection for penetrations in fire-rated constructions. Adherence to these instructions is crucial for ensuring the product's performance and compliance with fire safety regulations.

## 2. SAFETY INFORMATION

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Always observe general safety precautions when working with firestop materials and during construction activities. Failure to follow these safety instructions may result in injury or property damage.

- Read all instructions thoroughly before installation.
- Wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Ensure the work area is well-ventilated.
- Keep children and unauthorized personnel away from the work area.
- Consult local building codes and fire safety regulations for specific requirements.
- Do not modify the product. Use only genuine HILTI components.

## 3. PRODUCT OVERVIEW

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The HILTI CP 680-P 6" Firestop Lid is an integral component of a fire protection system designed to seal openings around pipes or cables passing through fire-rated walls or floors. It is specifically engineered to prevent the spread of fire, smoke, and toxic gases.



Figure 1: HILTI CP 680-P 6" Firestop Lid. This image displays the red, circular firestop lid, which is designed to fit around penetrations in fire-rated barriers, providing a critical seal against fire and smoke spread.

Key features include its robust construction and fire-resistant properties, ensuring long-term performance in demanding environments.

## 4. SETUP AND INSTALLATION

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Proper installation is critical for the firestop lid to function as intended. Follow these steps carefully:

1. **Prepare the Opening:** Ensure the opening in the fire-rated wall or floor is clean, dry, and free from debris. The opening size must be appropriate for the 6" lid and the penetrating item (pipe/cable).
2. **Position the Lid:** Place the HILTI CP 680-P lid around the penetrating item. The lid is typically split to allow for easy installation around existing penetrations. Ensure the two halves fit together securely.
3. **Secure the Lid:** Depending on the specific firestop system and application, the lid may need to be secured with fasteners (e.g., screws, anchors) to the fire-rated barrier. Refer to the complete HILTI firestop system documentation for fastener requirements and spacing.
4. **Seal Gaps:** Any remaining gaps between the lid and the penetrating item, or between the lid and the fire-rated barrier, must be sealed with an approved HILTI firestop sealant (e.g., CP 606, CP 601S) to maintain the fire rating. Apply sealant according to the product's instructions.
5. **Inspect Installation:** Visually inspect the installed lid and sealant to ensure a complete and continuous firestop seal.

*Note: Always refer to the specific HILTI system approval and installation guidelines for the particular firestop assembly being used.*

## 5. OPERATING INSTRUCTIONS (INSPECTION)

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The HILTI CP 680-P Firestop Lid is a passive fire protection component. Its "operation" primarily involves maintaining its integrity and ensuring it remains properly installed. Regular inspection is key to its continued effectiveness.

- **Visual Inspection:** Periodically inspect the firestop lid for any signs of damage, displacement, or deterioration.
- **Seal Integrity:** Check the integrity of the firestop sealant around the lid and the penetrating item. Look for cracks, gaps, or areas where the sealant may have pulled away.
- **Penetration Changes:** If any new pipes, cables, or other items are added or removed from the penetration, the firestop system, including the lid, must be re-evaluated and re-sealed as necessary by qualified personnel.

## 6. MAINTENANCE

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The HILTI CP 680-P Firestop Lid requires minimal maintenance beyond regular inspection. If any issues are identified during inspection:

- **Repair Damage:** Any damaged or displaced lids should be repaired or replaced immediately using genuine HILTI components.
- **Re-seal Gaps:** If sealant integrity is compromised, clean the affected area and re-apply approved HILTI firestop sealant according to product instructions.
- **Professional Assessment:** For significant damage or complex repairs, consult a qualified fire protection professional or HILTI technical support.

## 7. TROUBLESHOOTING

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Most issues related to firestop lids stem from improper installation or damage over time. Here are common concerns and their resolutions:

Problem	Possible Cause	Solution
Lid is loose or displaced.	Improper fastening during installation; impact damage.	Re-secure the lid with appropriate fasteners. If damaged, replace the lid.
Gaps visible around the lid or penetrating item.	Inadequate sealant application; sealant deterioration.	Clean the area and re-apply approved HILTI firestop sealant to fill all gaps.
Lid appears cracked or broken.	Physical damage; material fatigue.	Replace the damaged lid with a new HILTI CP 680-P 6" Firestop Lid.

## 8. SPECIFICATIONS

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- **Model Number:** 2102433
- **Brand:** HILTI
- **Product Type:** Firestop Lid
- **Nominal Size:** 6 inches (for pipe/cable penetration)
- **Material:** Fire-resistant composite
- **Color:** Red (typical for firestop products)
- **Item Weight:** Approximately 1 Pound
- **Application:** Fire-rated walls and floors

## 9. WARRANTY AND SUPPORT

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HILTI products are manufactured to high-quality standards. For specific warranty information, please refer to the official HILTI warranty statement provided with your purchase or visit the official HILTI website. For technical support, product inquiries, or assistance with installation, please contact HILTI customer service or your local HILTI representative.

**HILTI Official Website:** [www.hilti.com](http://www.hilti.com)