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HILTI 3436798

Hilti CP 606 Firestop Sealant Instruction Manual

Model: CP 606 (3436798)

1. PRODUCT OVERVIEW

The Hilti CP 606 Firestop Sealant is a high-performance, intumescent acrylic sealant designed for firestopping applications. It expands when exposed to heat, forming a fire-resistant barrier that helps prevent the spread of fire and smoke through penetrations in fire-rated constructions. This product is suitable for various joint and penetration sealing applications in walls and floors.



An image showing a single 10.5oz tube of Hilti CP 606 red firestop sealant, clearly displaying the Hilti logo and product identification.

2. SAFETY INFORMATION

Always prioritize safety when working with sealants. Read and understand the Safety Data Sheet (SDS) before use. Observe all local safety regulations.

- **Personal Protective Equipment (PPE):** Wear appropriate PPE, including safety glasses, gloves, and protective clothing, to prevent skin and eye contact.
- **Ventilation:** Use in well-ventilated areas. If adequate ventilation is not available, use respiratory protection.
- **Skin Contact:** In case of skin contact, wash thoroughly with soap and water.
- **Eye Contact:** In case of eye contact, flush immediately with plenty of water for several minutes and seek medical attention.
- **Ingestion:** Do not ingest. If swallowed, seek immediate medical attention.
- **Keep Out of Reach:** Keep out of reach of children and pets.

3. SETUP AND PREPARATION

1. **Surface Preparation:** Ensure all surfaces to be sealed are clean, dry, and free from dust, oil, grease, loose particles, and other contaminants. Substrates should be sound and stable.

- Joint Dimensions:** Verify that joint dimensions are within the product's specified limits for optimal performance.
- Backing Material:** For deeper joints, use a suitable backing material (e.g., backer rod) to control sealant depth and ensure proper sealant geometry.
- Tools Required:**
 - Standard caulking gun
 - Utility knife or sealant cutter
 - Trowel or tooling stick for finishing
 - Cleaning supplies (rags, appropriate solvent if needed)
- Temperature:** Apply the sealant within the recommended temperature range, typically between 5°C and 40°C (41°F and 104°F).

4. APPLICATION INSTRUCTIONS

- Prepare Cartridge:** Cut the tip of the sealant tube at a 45-degree angle to the desired bead size. Puncture the inner seal of the cartridge.
- Load Caulking Gun:** Insert the prepared cartridge into a standard caulking gun.
- Apply Sealant:** Apply the sealant evenly and continuously into the joint or penetration, ensuring full contact with the substrate. Maintain consistent pressure on the trigger to achieve a smooth, uniform bead.
- Tooling:** Within 5-10 minutes of application (before skinning occurs), tool the sealant to ensure good adhesion and a smooth finish. Remove any excess sealant immediately.
- Curing:** The sealant will skin over in approximately 15-30 minutes, depending on temperature and humidity. Full cure time can range from several days to weeks, depending on bead thickness and environmental conditions. Protect the freshly applied sealant from water and heavy traffic until fully cured.

5. MAINTENANCE

Once cured, Hilti CP 606 Firestop Sealant requires minimal maintenance. Periodically inspect sealed joints and penetrations for any signs of damage, cracking, or degradation. If damage is observed, clean the area and reapply sealant as necessary to maintain the firestop integrity.

6. TROUBLESHOOTING

- Poor Adhesion:**
Ensure surfaces are clean, dry, and free of contaminants. Proper surface preparation is critical for good adhesion.
- Slow Curing:**
Low temperatures and high humidity can extend curing times. Ensure adequate ventilation and maintain recommended application temperatures.
- Cracking or Shrinkage:**
Excessive joint movement or improper joint design can lead to cracking. Ensure correct joint dimensions and use of backing material where appropriate.

7. SPECIFICATIONS

Feature	Detail
Brand	HILTI

Feature	Detail
Model Number	3436798 (CP 606)
Item Form	Liquid (Sealant)
Color	Red
Container Size	10.5 oz Tube
Water Resistance Level	Waterproof
Manufacturer	Hilti
First Available Date	October 9, 2017

8. STORAGE AND DISPOSAL

- Storage:** Store the sealant in its original, unopened packaging in a cool, dry place, away from direct sunlight and extreme temperatures. Recommended storage temperature is typically between 5°C and 25°C (41°F and 77°F).
- Disposal:** Dispose of unused product and empty containers in accordance with local, state, and federal regulations. Do not dispose of in drains or waterways. Consult local waste management authorities for proper disposal methods.

9. WARRANTY AND SUPPORT

For specific warranty information regarding the Hilti CP 606 Firestop Sealant, please refer to the official Hilti website or contact Hilti customer service directly. Hilti provides comprehensive technical support and product documentation to assist with proper application and performance.

Hilti Official Website: www.hilti.com