Firestop Mortar (CP 637)

Product description
- Fire-resistant mortar suitable for firestopping large openings

Product features
- Quick-setting — forms can be removed in as little as 2 hours
- Superior working properties
- Can be used in horizontal or vertical applications
- Saves time
- Versatile
- Simple mixing

Areas of application
- Sealing medium size to large openings with non-combustible pipes or cable trays
- Permanent fire seal for cables, cable trays and non-combustible pipes

For use with
- Concrete and masonry assemblies
- Walls and floors rated up to 4 hours

Examples
- Large openings containing multiple steel, conduit and EMT pipes
- Large openings with single or multiple cable tray applications

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Technical Data*  CP 637

<table>
<thead>
<tr>
<th>Color</th>
<th>Light red</th>
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<tbody>
<tr>
<td>Application temperature</td>
<td>40°F to 110°F (5°C to 43°C)</td>
</tr>
<tr>
<td>Form removal (depending on consistency)</td>
<td>Approx. 2 hours</td>
</tr>
<tr>
<td>Density</td>
<td>Approx. 40.6 pcf (dry)</td>
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<tr>
<td>Expansion on setting (approx.)</td>
<td>0.08%</td>
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</table>

Compressive strength

<table>
<thead>
<tr>
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<th>24 hrs. after casting</th>
<th>After full cure</th>
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</thead>
<tbody>
<tr>
<td>Pourable</td>
<td>503 psi (3.5 N/mm²)</td>
<td>725 psi (5.0 N/mm²)</td>
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<tr>
<td>Trowelable</td>
<td>870 psi (6.0 N/mm²)</td>
<td>1784 psi (12.3 N/mm²)</td>
</tr>
</tbody>
</table>

Surface burning characteristics (ASTM E84-01)
- Flame spread: 5
- Smoke development: 0

Yield (30 lb pail)
- 900–1000 cubic inches depending on mix ratio

Installation instructions for CP 637

Notice
- Before handling, read Material Safety Data Sheet and product label for safe usage and health information.
- Instructions below are general guidelines — always refer to the applicable drawing in the UL Fire Resistance Directory or Hilti Firestop Systems Guide for complete installation information.

Mix ratio (recommended, mortar to water):
- Trowelable 30 lb (14.6 kg) : 2 U.S. gal (8 L)
- Pourable 30 lb (14.6 kg) : 2.5 U.S. gal (9.5 L)

2. Important! First add clean water to separate container. Then slowly add CP 637 to water while stirring by hand or power mixer to assure smooth, lump-free mix. See table above for mix ratio.
3. Work prepared mortar into opening by troweling, pouring, or pumping with suitable pump. Use forms for large openings. Make sure application has been sealed according to the applicable UL Fire Resistance Directory or Hilti Firestop Manual.
4. Fasten identification plate (if required).