



APPLICATION:

### Metal pipes Through Slab

ID:

**CP638:  
MP-RF-M-04**

**INFORMATION:**

- Not to scale
- All units are in millimetres
- Tested according to EN 1366-3
- Classification Report 23003B

**CP 638 Mortar + CFS-S ACR**

REV:

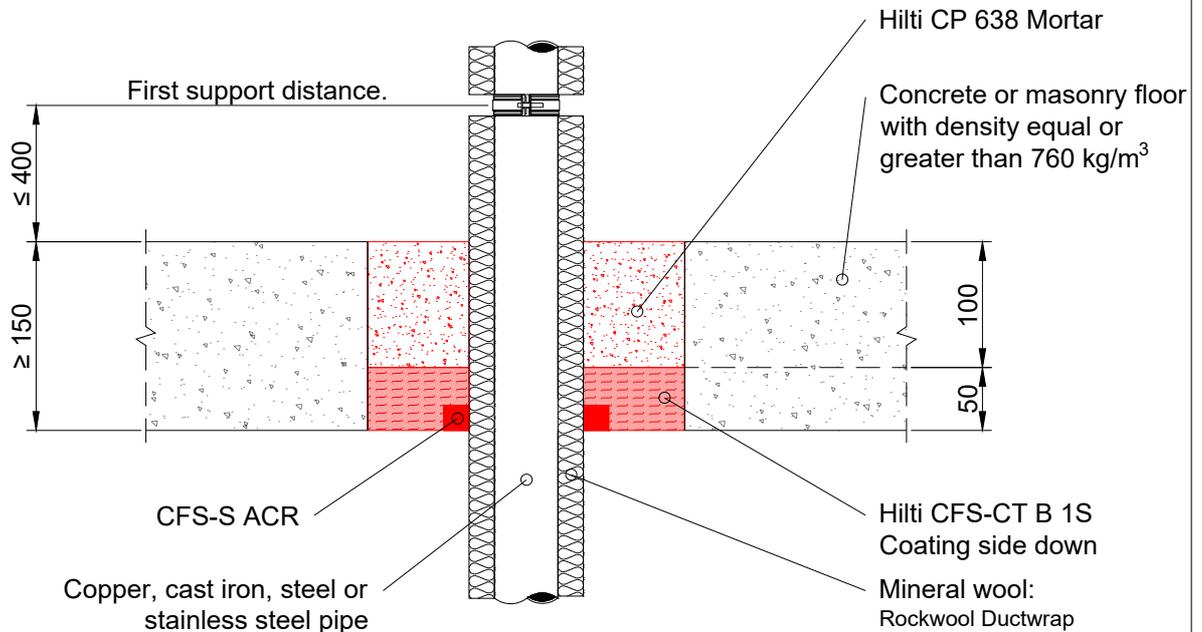
DATE:

**02**

**05/2025**

**Fire Rating up to EI 120**

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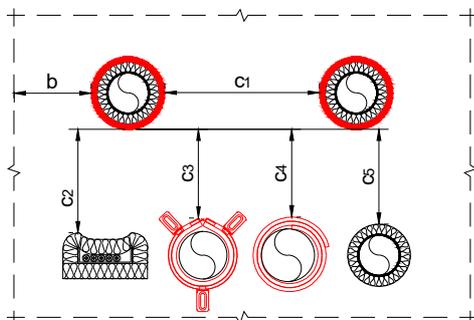


**Notes:**

1. All gaps around services and coated board edges filled with Hilti Firestop Acrylic Sealant CFS-S ACR

Metal pipes with continued sustained insulation from Rockwool DuctWrap

Material	Diameter	Min. wall thickness	Locally sustained: Rockwool Roclap Thickness	Fire rating in mixed opening
Copper, cast iron, steel, stainless steel.	≤ 28	0.9	40	EI 120-C/U
Copper, cast iron, steel, stainless steel.	≤ 54	1.2	40	EI 120-C/U
Copper, cast iron, steel, stainless steel.	≤ 108	1.5	40	EI 90-C/U
Cast iron, steel, stainless steel.	≤ 168	5	40	EI 120-C/U



Spacing overview for mixed seals

Description	Shortcut	Distance
To seal edge	b	≥ 50 mm
To other pipes with CFS-S ACR	c <sub>1</sub>	≥ 38 mm
To cables with CFS-IS	c <sub>2</sub>	0 mm
To other services with CFS-C EL	c <sub>3</sub>	0 mm
To other services with CFS-B	c <sub>4</sub>	0 mm
To any other services	c <sub>5</sub>	≥ 100 mm

Maximum opening size without additional support: 2000 x 1800 mm or reduced width, with up-to 10m length. See classification report for further details.

1. The application limits on this detail are for guidance purposes only. For more detailed information based on the full range of available test results please contact the Hilti Technical Advisory Service.  
 2. The product and application has been assessed as a minimum to the BS 476 standard. It may have additional European and worldwide testing. Please contact Hilti for further information.  
 3. All installations should be carried out in accordance with Hilti's installation instructions and by competent & experienced installers using Hilti branded products.  
 4. All services are to be correctly and adequately supported to prevent collapse and distortion.