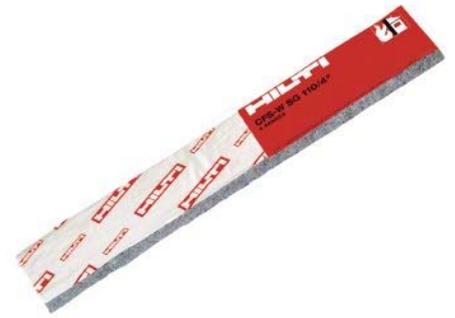


# Schémas d'applications pour la bande CFS-W



## Applications pour eau potable

- |   |                |
|---|----------------|
| • Tube plastique PE-HD en cloison épaisseur 100 mm      | POT-FW-PP-0080 |
| • Tube plastique PE-HD en voile rigide épaisseur 150 mm | POT-RW-PP-0094 |
| • Tube plastique PE-HD en voile rigide épaisseur 100 mm | POT-RW-PP-0095 |
| • Tube plastique PE en dalle rigide épaisseur 100 mm    | POT-RF-PP-0111 |

\*) Tous les schémas sont également disponibles sur demande en format DWG pour faciliter l'insertion sur des plans.



CONTENTS

Straight plastic pipe in a flexible wall

ID

POT-FW-PP-0080

FIRESTOP WRAP

0080\_01

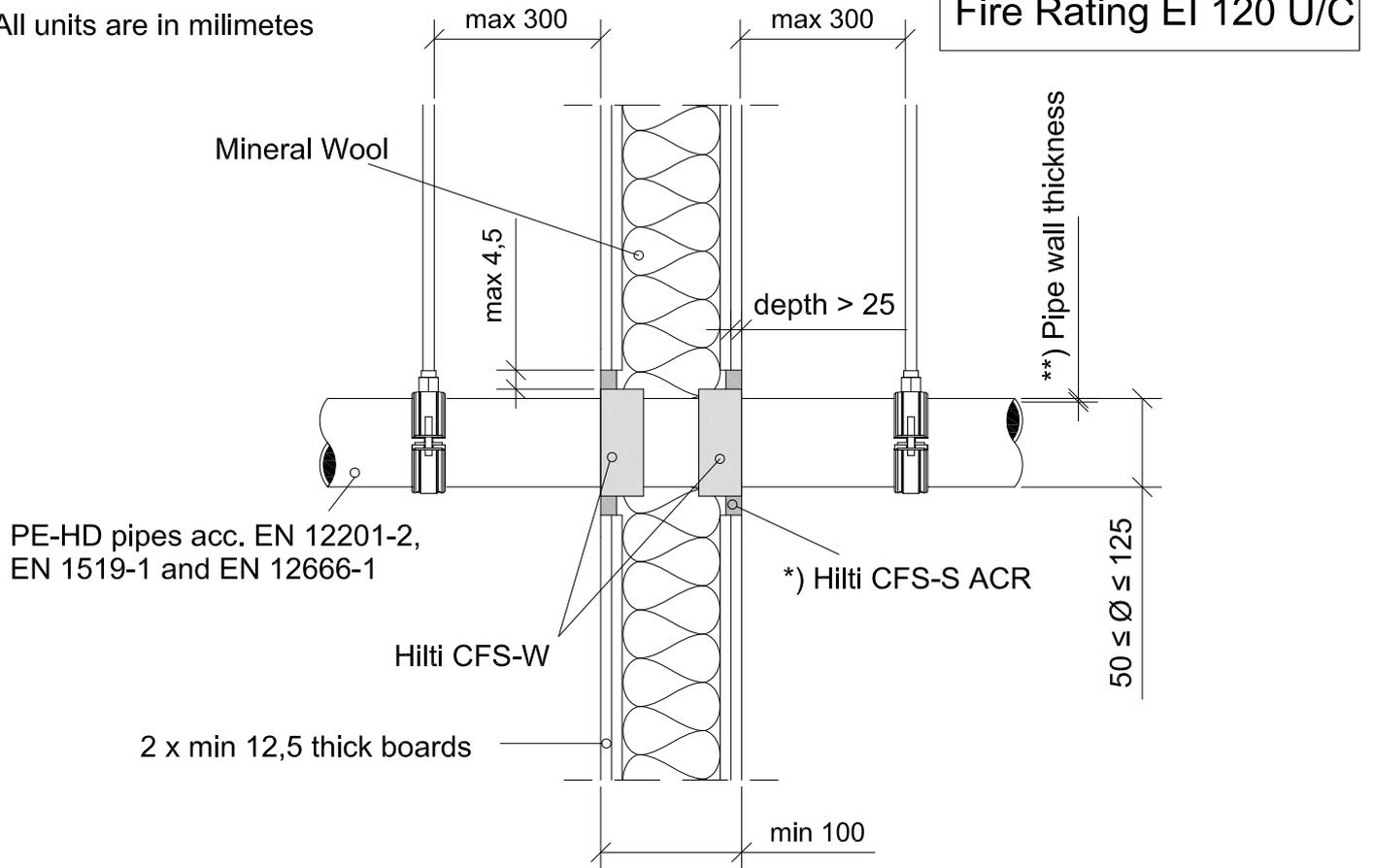
REV

00

No scale

All units are in millimetres

Fire Rating EI 120 U/C



PE-HD pipes acc. EN 12201-2, EN 1519-1 and EN 12666-1

\*) Hilti CFS-S ACR

Hilti CFS-W

2 x min 12,5 thick boards

\*\*.) Pipe wall thickness

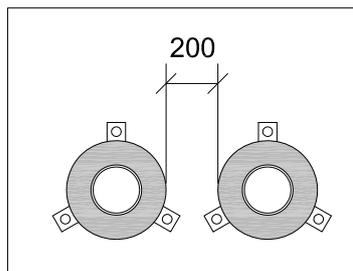
50 ≤ Ø ≤ 125

\*) Annular gap fill material

Hilti Firestop Acrylic Sealant CFS-S ACR on both sides with depth > 25 mm from the surface of the wall, backfilled with mineral wool, min 100 kg/m<sup>3</sup> in the gap between the wall lining around the opening with a depth > 100 mm

- Approval ETA-10/0405 of 28/06/2013
- Reaction to fire acc EN 13501-1
- Fire resistance test acc EN 1366-3
- Installation according to Hilti instructions

\*\*.) Pipe wall thickness



Minimum distance between annular gap

Pipe diameter	Pipe wall thickness	Type of wrap	Size CFS-W SG n° layers CFS-W EL
50	3.0	CFS-W SG	50/1.5"
63	3.0	CFS-W SG	63/2"
75	3.0	CFS-W SG	75/2.5"
90	4.8	CFS-W SG	90/3"
90	4.8	CFS-W SG	110/4"
110	4.8	CFS-W SG	125/5"
≤ 75	3.0	CFS-W EL	1
75 ≤ Ø ≤ 125	4.8	CFS-W EL	2



CONTENTS

**Straight plastic pipe in a rigid wall**

ID

POT-RW-PP-0094

**FIRESTOP WRAP**

0094\_01

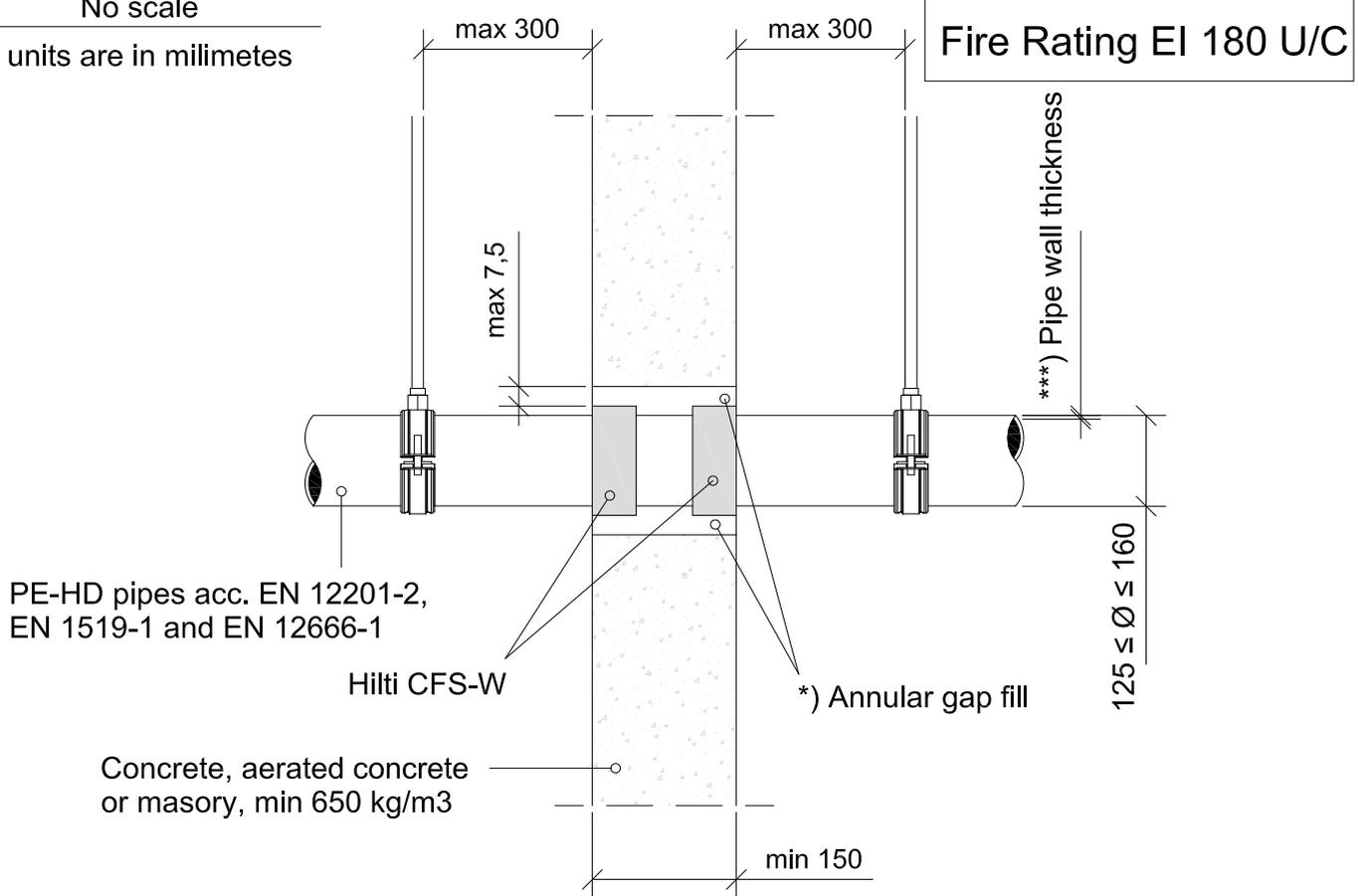
REV

00

No scale

All units are in millimetres

**Fire Rating EI 180 U/C**



PE-HD pipes acc. EN 12201-2, EN 1519-1 and EN 12666-1

Hilti CFS-W

Concrete, aerated concrete or masonry, min 650 kg/m<sup>3</sup>

\*) Annular gap fill

\*\*\*) Pipe wall thickness

125 ≤ Ø ≤ 160

\*) Annular gap fill material

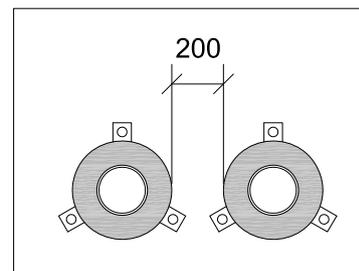
Hilti Firestop Acrylic Sealant CFS-S ACR on both sides with depth > 15 mm from the surface of the wall, backfilled with mineral wool

Cementitious mortar over the entire thickness of the wall.

\*\*\*) Pipe wall thickness

Pipe diameter	Pipe wall thickness	Type of wrap	Size CFS-W SG n° layers CFS-W EL
160	6.2	CFS-W SG	160/6"
125 ≤ Ø ≤ 160	6.2	CFS-W EL	3

- Approval ETA-10/0405 of 28/06/2013
- Reaction to fire acc EN 13501-1
- Fire resistance test acc EN 1366-3
- Installation according to Hilti instructions



Minimum distance between annular gap



CONTENTS

Straight plastic pipe in a rigid wall

ID

POT-RW-PP-0095

FIRESTOP WRAP

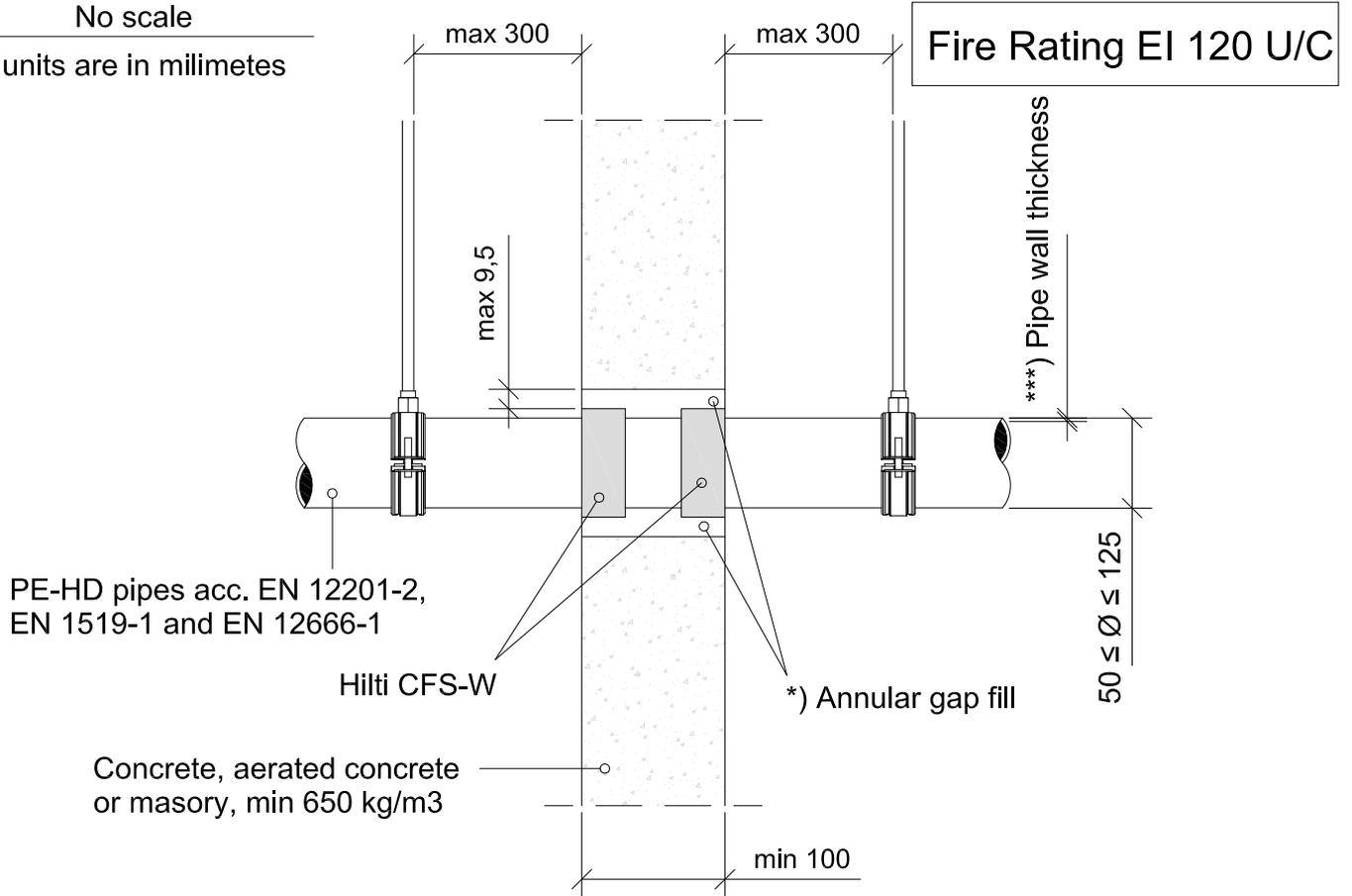
0095\_01

REV

00

No scale

All units are in millimetres



PE-HD pipes acc. EN 12201-2, EN 1519-1 and EN 12666-1

Hilti CFS-W

Concrete, aerated concrete or masonry, min 650 kg/m<sup>3</sup>

\*) Annular gap fill

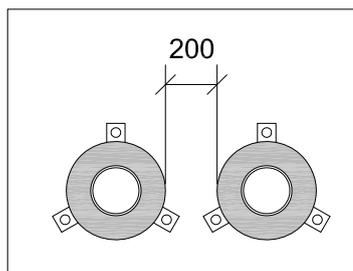
\*) Annular gap fill material

Hilti Firestop Acrylic Sealant CFS-S ACR on both sides with depth > 15 mm from the surface of the wall, backfilled with mineral wool

Cementitious mortar over the entire thickness of the wall.

- Approval ETA-10/0405 of 28/06/2013
- Reaction to fire acc EN 13501-1
- Fire resistance test acc EN 1366-3
- Installation according to Hilti instructions

\*\*) Pipe wall thickness



Minimum distance between annular gap

Pipe diameter	Pipe wall thickness	Type of wrap	Size CFS-W SG n° layers CFS-W EL
50	3.0	CFS-W SG	50/1.5"
63	3.0	CFS-W SG	63/2"
75	3.0	CFS-W SG	75/2.5"
90	4.8	CFS-W SG	90/3"
90	4.8	CFS-W SG	110/4"
110	4.8	CFS-W SG	125/5"
≤ 75	3.0	CFS-W EL	1
75 ≤ Ø ≤ 125	4.8	CFS-W EL	2



CONTENTS

Straight plastic pipe in a floor

ID

POT-RF-PP-0111

FIRESTOP WRAP

0111\_01

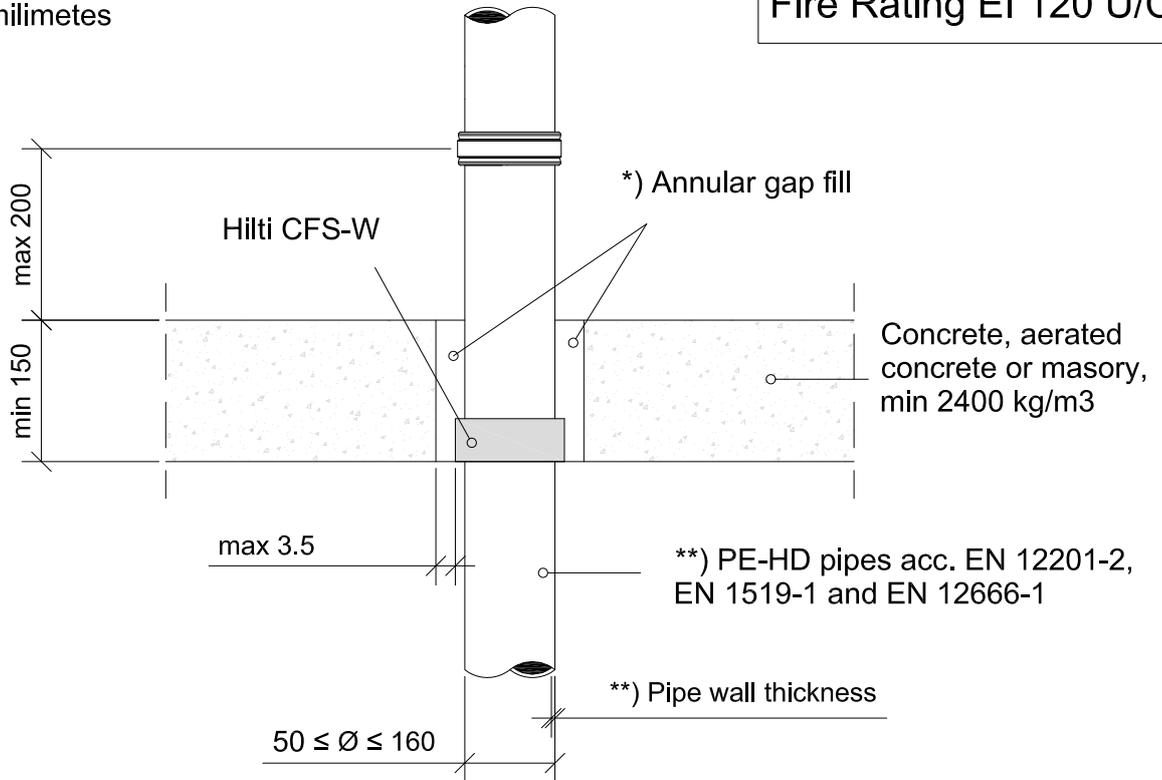
REV

00

No scale

All units are in millimetres

Fire Rating EI 120 U/C



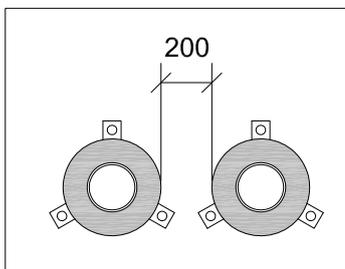
\*) Annular gap fill material

Hilti Firestop Acrylic Sealant CFS-S ACR on both sides with depth > 15 mm from the surface of the wall, backfilled with mineral wool

Cementitious mortar over the entire thickness of the wall.

\*\*) Pipe wall thickness

Pipe diameter	Pipe wall thickness	Type of wrap	Size CFS-W SG n° layers CFS-W EL
50	3.0	CFS-W SG	50/1.5"
63	3.0	CFS-W SG	63/2.0"
75	3.0	CFS-W SG	75/2.5"
90	4.8	CFS-W SG	90/3.0"
110	4.8	CFS-W SG	110/4.0"
125	4.8	CFS-W SG	125/5.0"
160	6.2	CFS-W SG	160/6.0"
≤ 75	3.0	CFS-W EL	1
75 ≤ Ø ≤ 125	4.8	CFS-W EL	2
125 ≤ Ø ≤ 160	6.2	CFS-W EL	3



Minimum distance between annular gap

- Approval ETA-10/0405 of 28/06/2013
- Reaction to fire acc EN 13501-1
- Fire resistance test acc EN 1366-3
- Installation according to Hilti instructions