

# Schémas d'applications pour le collier en rouleau CFS-C EL



## Applications pour eaux usées en voile rigide

- Tube plastique (PE/PP/PVC) droit en voile rigide épaisseur 100 mm WW-RW-PP-0033/50/54/66
- Tube plastique (PE/PP/PVC) droit en voile rigide épaisseur 150 mm WW-RW-PP-0034/51/55/63/67
- Tube plastique PE incliné en voile rigide épaisseur 100 mm WW-RW-PP-0123
- Tube plastique PP incliné en voile rigide épaisseur 100 mm WW-RW-PP-0126
- Tube plastique PVC incliné en voile rigide épaisseur 100 mm WW-RW-PP-0127
- Tube plastique PE (tube contre le mur ou en coin) en voile rigide épaisseur 100 mm WW-RW-PP-0149/161
- Tube plastique PP (tube contre le mur ou en coin) en voile rigide épaisseur 100 mm WW-RW-PP-0152/164
- Tube plastique PVC (tube contre le mur ou en coin) en voile rigide épaisseur 100 mm WW-RW-PP-0153/165
- Tube plastique PE/PP (plusieurs tubes dans un collier) en voile rigide épaisseur 100 mm WW-RW-PP-0183/184
- Tube plastique en PE/PP/PVC (sans distance avec autres systèmes, conlit ou CFS-B) en voile rigide épaisseur 100 mm WW-RW-PP-0192/195/196
- Tube plastique en PE/PP/PVC (sans distance avec autres systèmes, conlit ou CFS-B) en voile rigide épaisseur 150 mm WW-RW-PP-0198/199/201

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



CONTENTS

Straight plastic pipe in a rigid wall

ID

WW-RW-PP-0033

FIRESTOP COLLAR ENDLESS

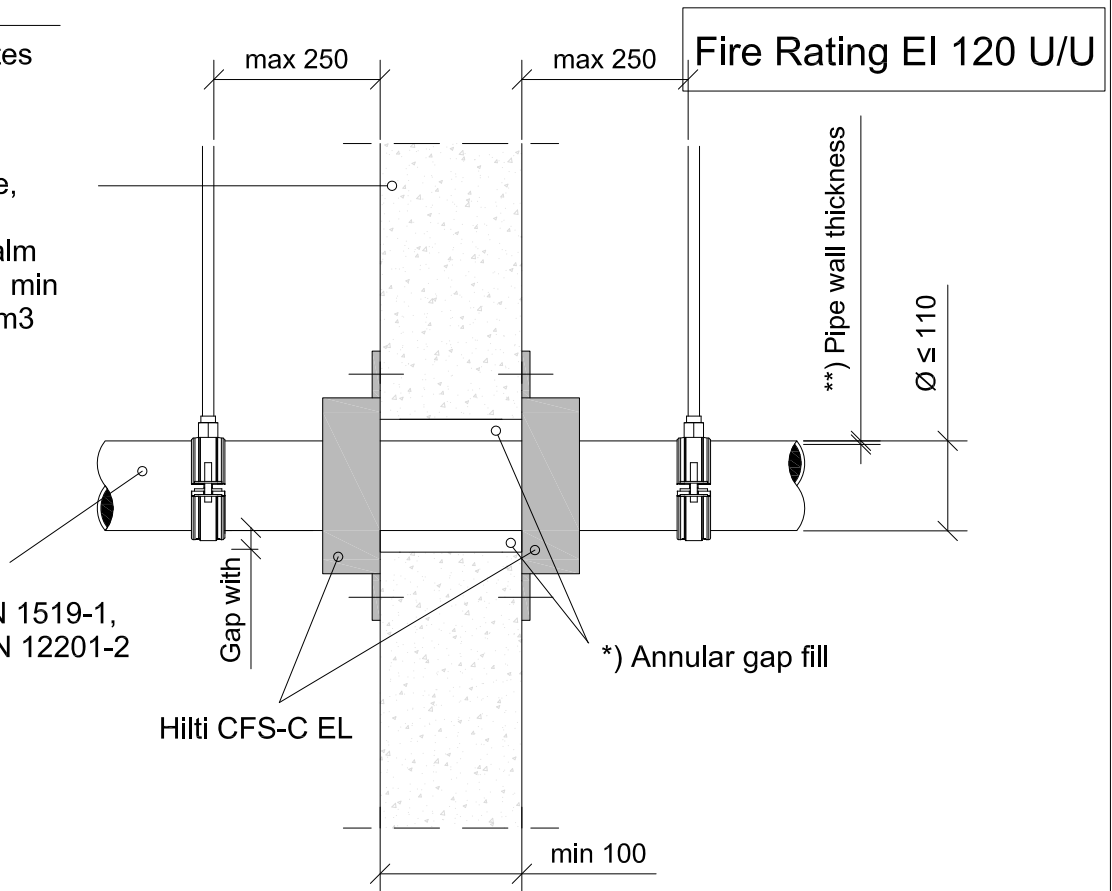
0033\_01

REV  
00

No scale

All units are in millimetres

Comprise concrete, aerated concrete, brickwork, lime malm bricks or masonry. min density of 650 kg/m<sup>3</sup>



PE Pipe acc EN 1519-1, EN 12666-1, EN 12201-2

Hilti CFS-C EL

\* ) Annular gap fill

\* ) Annular gap fill material

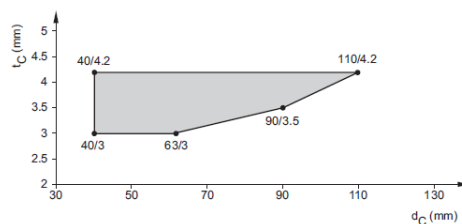
Gap with (mm)	Annular Gap Fill
0-15	Hilti Firestop Acrylic Sealant CFS-S ACR only with a depth > 25 mm on both sides of the wall
0-40	Hilti Firestop Acrylic Sealant CFS-S ACR on top side of floor only with depth > 25 mm, backfilled with mineral wool
0-40	Cementious mortar acc. EN 998-2 group M10 over the entire thickness of the wall.

- Approval ETA-14/0085 of 23/04/2014
- Reaction to fire acc EN 13501-1
- Fire resistance test acc 1366-3
- Installation according to Hilti instructions

\*\* ) The pipe wall thickness approved can be found in this graphic

Sound Insulation for rigid wall

$D_{n,w} = 58 \text{ dB}$   
 $R_w = 51 \text{ dB}$





CONTENTS

Straight plastic pipe in a rigid wall

ID

WW-RW-PP-0034

FIRESTOP COLLAR ENDLESS

0034\_01

REV  
00

No scale

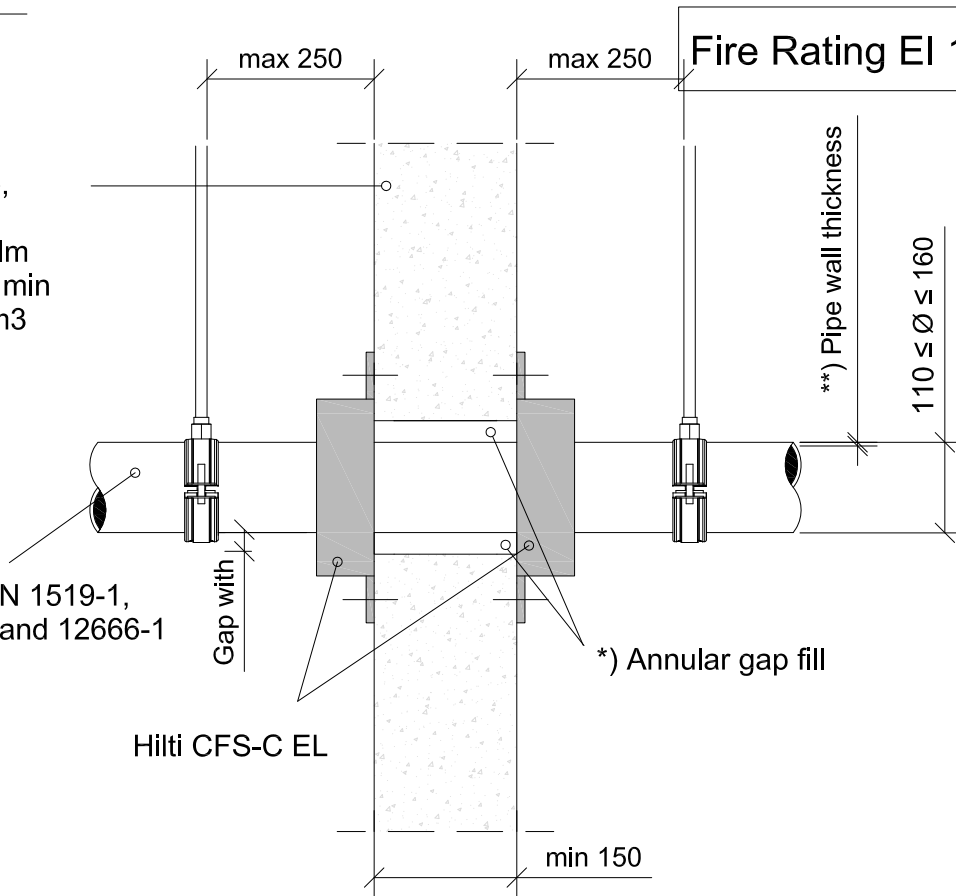
All units are in millimetres

Comprise concrete, aerated concrete, brickwork, lime malm bricks or masonry. min density of 650 kg/m<sup>3</sup>

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

Hilti CFS-C EL

Fire Rating EI 120 U/U



\*) Annular gap fill

\*) Annular gap fill material

Gap with (mm)	Annular Gap Fill
0-15	Hilti Firestop Acrylic Sealant CFS-S ACR only with a depth > 25 mm on both sides of the floor
0-40	Hilti Firestop Acrylic Sealant CFS-S ACR on top side of floor only with depth > 25 mm, backfilled with mineral wool
0-40	Cementious mortar acc. EN 998-2 group M10 over the entire thickness of the wall.

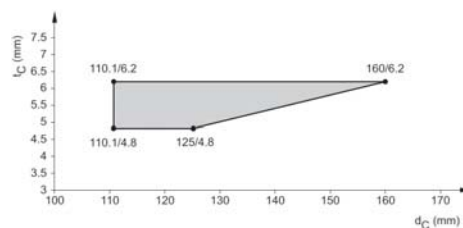
- Approval ETA-14/0085 of 23/04/2014
- Reaction to fire acc EN 13501-1
- Fire resistance test acc 1366-3
- Installation according to Hilti instructions

\*\*\*) The pipe wall thickness approved can be found in this graphic

Sound Insulation for rigid wall

$$D_{n,w} = 58 \text{ dB}$$

$$R_w = 51 \text{ dB}$$





CONTENTS

Straight plastic pipe in a rigid wall

ID

WW-RW-PP-0050

FIRESTOP COLLAR ENDLESS

0050\_01

REV  
00

No scale

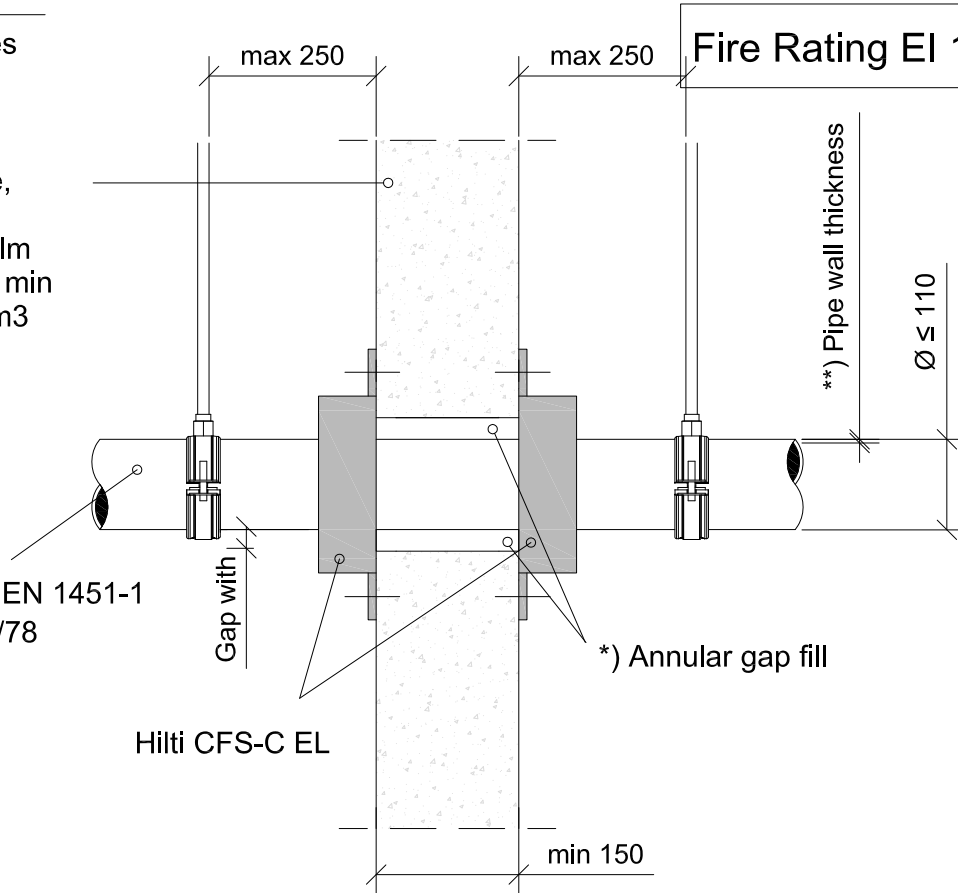
All units are in millimetres

Comprise concrete, aerated concrete, brickwork, lime malm bricks or masonry. min density of 650 kg/m<sup>3</sup>

PP pipes acc. EN 1451-1 and DIN 8077/78

Hilti CFS-C EL

Fire Rating EI 120 U/U



\*) Annular gap fill material

Gap with (mm)	Annular Gap Fill
0-15	Hilti Firestop Acrylic Sealant CFS-S ACR only with a depth > 25 mm on both sides of the floor
0-40	Hilti Firestop Acrylic Sealant CFS-S ACR on top side of floor only with depth > 25 mm, backfilled with mineral wool
0-40	Cementious mortar acc. EN 998-2 group M10 over the entire thickness of the wall.

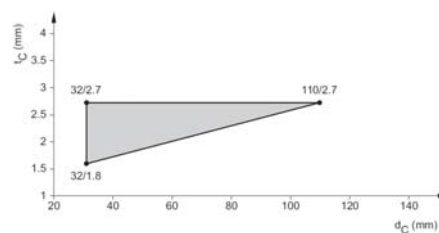
- Approval ETA-14/0085 of 23/04/2014
- Reaction to fire acc EN 13501-1
- Fire resistance test acc 1366-3
- Installation according to Hilti instructions

\*\*) The pipe wall thickness approved can be found in this graphic

Sound Insulation for rigid wall

$$D_{n,w} = 58 \text{ dB}$$

$$R_w = 51 \text{ dB}$$





CONTENTS

Straight plastic pipe in a rigid wall

ID

WW-RW-PP-0051

FIRESTOP COLLAR ENDLESS

0051\_01

REV  
00

No scale

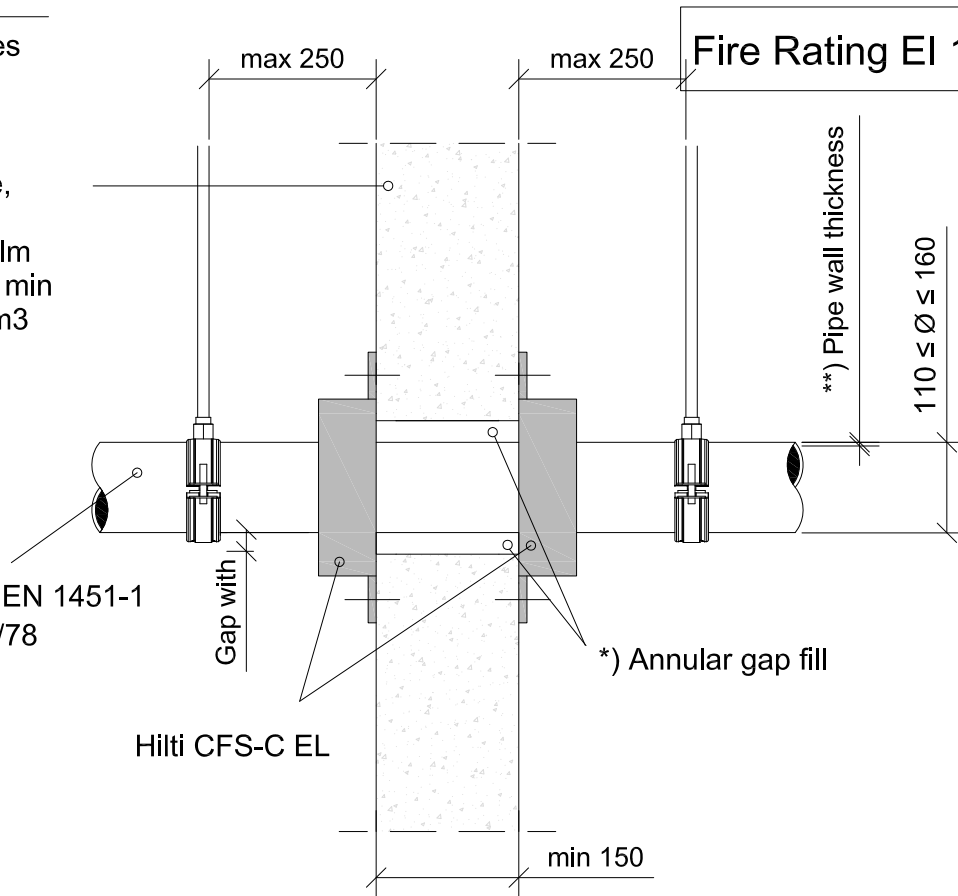
All units are in millimetres

Comprise concrete, aerated concrete, brickwork, lime malm bricks or masonry. min density of 650 kg/m<sup>3</sup>

PP pipes acc. EN 1451-1 and DIN 8077/78

Hilti CFS-C EL

Fire Rating EI 120 U/U



\*) Annular gap fill material

Gap with (mm)	Annular Gap Fill
0-15	Hilti Firestop Acrylic Sealant CFS-S ACR only with a depth > 25 mm on both sides of the floor
0-40	Hilti Firestop Acrylic Sealant CFS-S ACR on top side of floor only with depth > 25 mm, backfilled with mineral wool
0-40	Cementious mortar acc. EN 998-2 group M10 over the entire thickness of the wall.

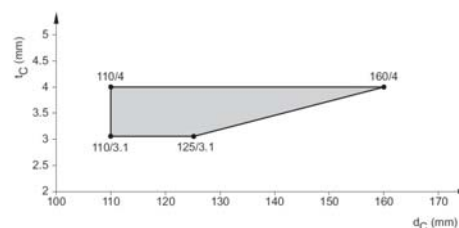
- Approval ETA-14/0085 of 23/04/2014
- Reaction to fire acc EN 13501-1
- Fire resistance test acc 1366-3
- Installation according to Hilti instructions

\*\*) The pipe wall thickness approved can be found in this graphic

Sound Insulation for rigid wall

$$D_{n,w} = 58 \text{ dB}$$

$$R_w = 51 \text{ dB}$$





CONTENTS

Straight plastic pipe in a rigid wall

ID

WW-RW-PP-0054

FIRESTOP COLLAR ENDLESS

0054\_01

REV  
00

No scale

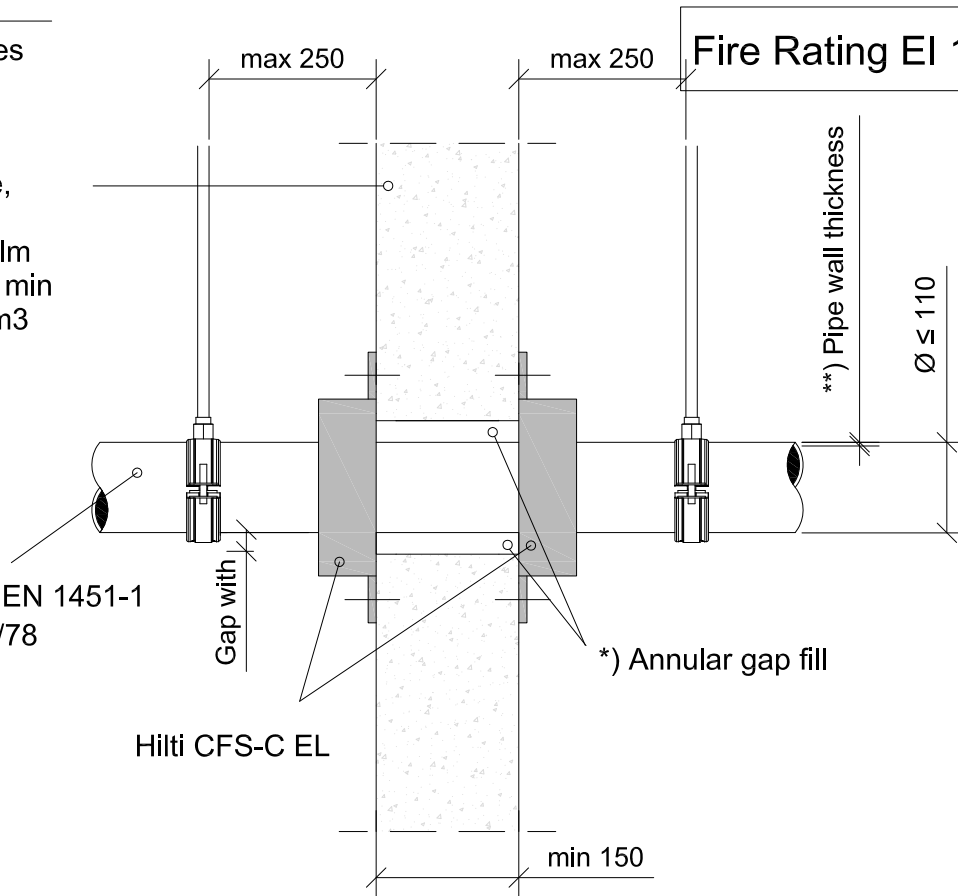
All units are in millimetres

Comprise concrete, aerated concrete, brickwork, lime malm bricks or masonry. min density of 650 kg/m<sup>3</sup>

PP pipes acc. EN 1451-1 and DIN 8077/78

Hilti CFS-C EL

Fire Rating EI 120 U/C



\*) Annular gap fill material

Gap with (mm)	Annular Gap Fill
0-15	Hilti Firestop Acrylic Sealant CFS-S ACR only with a depth > 25 mm on both sides of the floor
0-40	Hilti Firestop Acrylic Sealant CFS-S ACR on top side of floor only with depth > 25 mm, backfilled with mineral wool
0-40	Cementious mortar acc. EN 998-2 group M10 over the entire thickness of the wall.

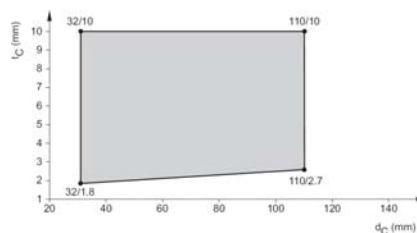
- Approval ETA-14/0085 of 23/04/2014
- Reaction to fire acc EN 13501-1
- Fire resistance test acc 1366-3
- Installation according to Hilti instructions

\*\*\*) The pipe wall thickness approved can be found in this graphic

Sound Insulation for rigid wall

$$D_{n,w} = 58 \text{ dB}$$

$$R_w = 51 \text{ dB}$$





CONTENTS

Straight plastic pipe in a rigid wall

ID

WW-RW-PP-0055

FIRESTOP COLLAR ENDLESS

0055\_01

REV  
00

No scale

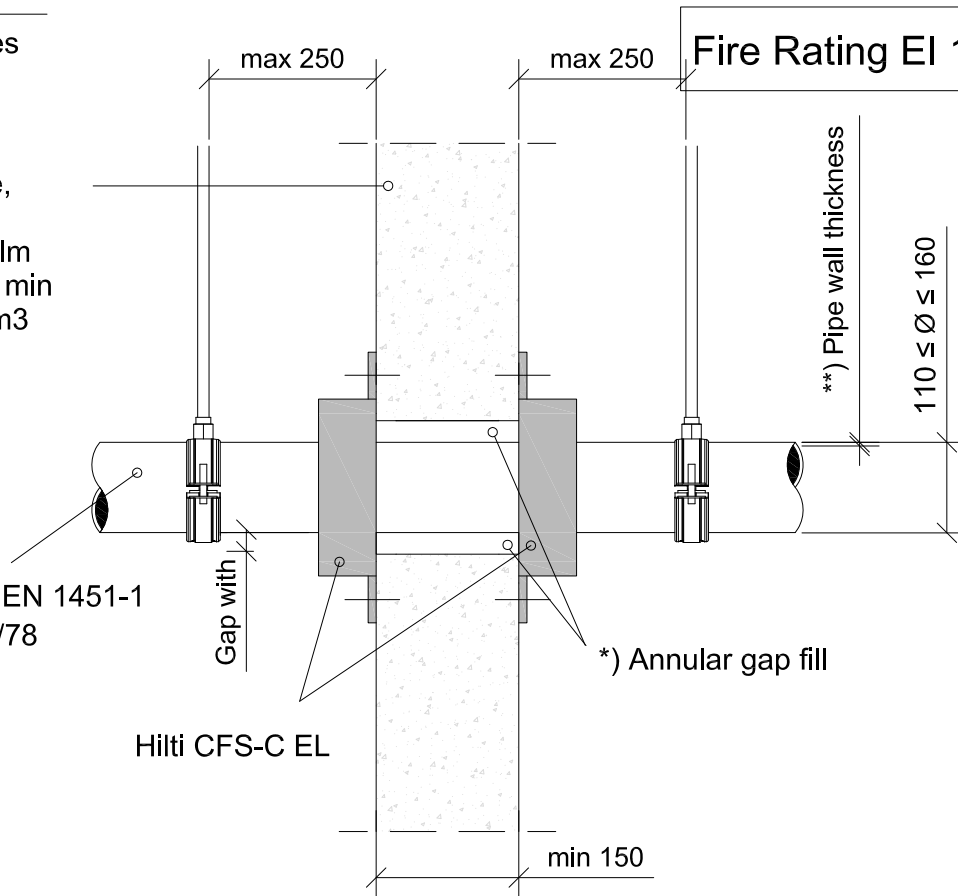
All units are in millimetres

Comprise concrete, aerated concrete, brickwork, lime malm bricks or masonry. min density of 650 kg/m<sup>3</sup>

PP pipes acc. EN 1451-1 and DIN 8077/78

Hilti CFS-C EL

Fire Rating EI 120 U/C



\*) Annular gap fill material

Gap with (mm)	Annular Gap Fill
0-15	Hilti Firestop Acrylic Sealant CFS-S ACR only with a depth > 25 mm on both sides of the floor
0-40	Hilti Firestop Acrylic Sealant CFS-S ACR on top side of floor only with depth > 25 mm, backfilled with mineral wool
0-40	Cementious mortar acc. EN 998-2 group M10 over the entire thickness of the wall.

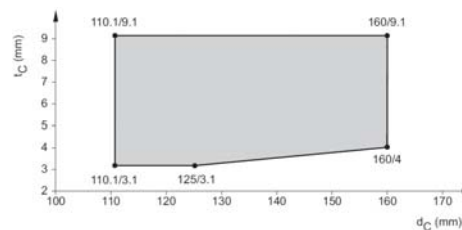
- Approval ETA-14/0085 of 23/04/2014
- Reaction to fire acc EN 13501-1
- Fire resistance test acc 1366-3
- Installation according to Hilti instructions

\*\*) The pipe wall thickness approved can be found in this graphic

Sound Insulation for rigid wall

$$D_{n,w} = 58 \text{ dB}$$

$$R_w = 51 \text{ dB}$$





CONTENTS

Straight plastic pipe in a rigid wall

ID

WW-RW-PP-0063

FIRESTOP COLLAR ENDLESS

0063\_01

REV  
00

No scale

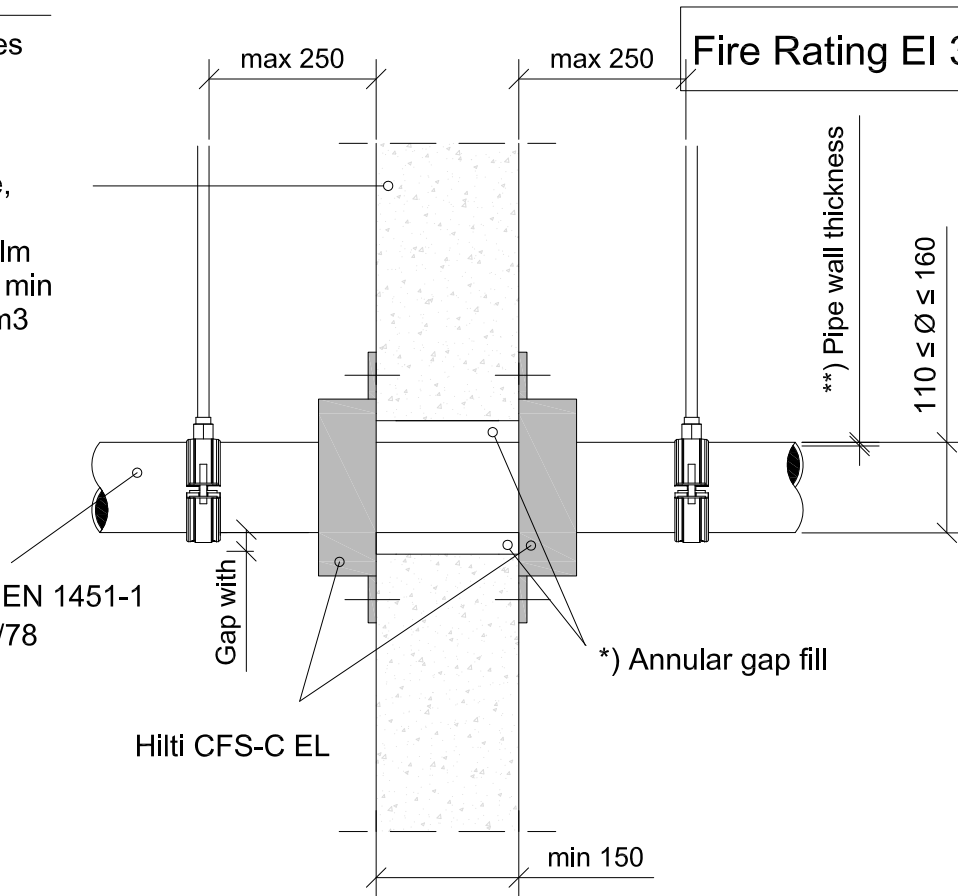
All units are in millimetres

Comprise concrete, aerated concrete, brickwork, lime malm bricks or masonry. min density of 650 kg/m<sup>3</sup>

PP pipes acc. EN 1451-1 and DIN 8077/78

Hilti CFS-C EL

Fire Rating EI 30 U/U



\*) Annular gap fill material

Gap with (mm)	Annular Gap Fill
0-15	Hilti Firestop Acrylic Sealant CFS-S ACR only with a depth > 25 mm on both sides of the floor
0-40	Hilti Firestop Acrylic Sealant CFS-S ACR on top side of floor only with depth > 25 mm, backfilled with mineral wool
0-40	Cementious mortar acc. EN 998-2 group M10 over the entire thickness of the wall.

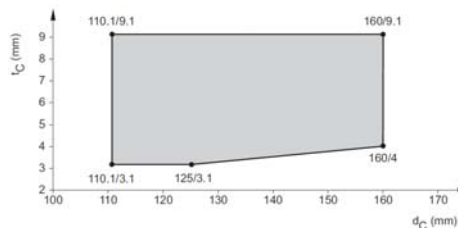
- Approval ETA-14/0085 of 23/04/2014
- Reaction to fire acc EN 13501-1
- Fire resistance test acc 1366-3
- Installation according to Hilti instructions

\*\*) The pipe wall thickness approved can be found in this graphic

Sound Insulation for rigid wall

$$D_{n,w} = 58 \text{ dB}$$

$$R_w = 51 \text{ dB}$$







CONTENTS

Straight plastic pipe in a rigid wall

ID

WW-RW-PP-0066

FIRESTOP COLLAR ENDLESS

0066\_01

REV  
00

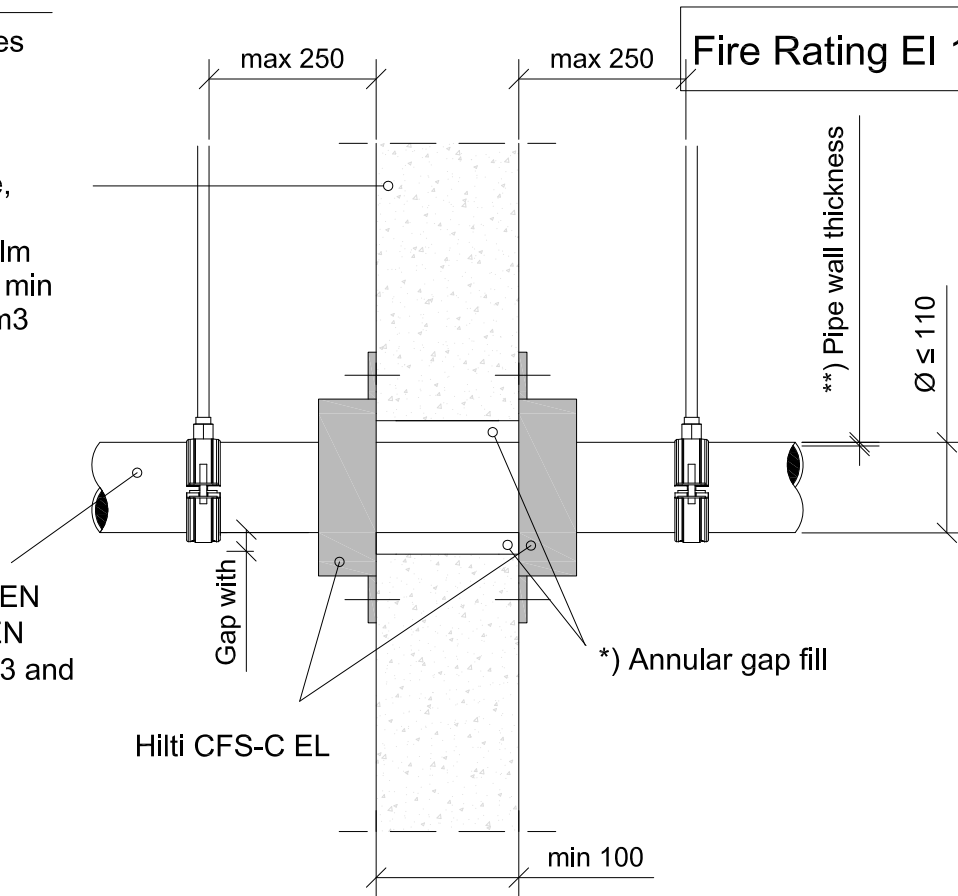
No scale

All units are in millimetres

Comprise concrete, aerated concrete, brickwork, lime malm bricks or masonry. min density of 650 kg/m<sup>3</sup>

Fire Rating EI 120 U/U

PVC acc EN 1452-1, EN 1329-1, EN 1453-1, EN 1566-1, EN ISO 15493 and DIN 8061/62



\*) Annular gap fill material

Gap with (mm)	Annular Gap Fill
0-15	Hilti Firestop Acrylic Sealant CFS-S ACR only with a depth > 25 mm on both sides of the floor
0-40	Hilti Firestop Acrylic Sealant CFS-S ACR on top side of floor only with depth > 25 mm, backfilled with mineral wool
0-40	Cementious mortar acc. EN 998-2 group M10 over the entire thickness of the wall.

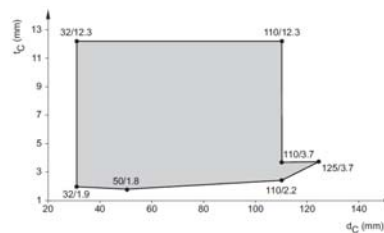
- Approval ETA-14/0085 of 23/04/2014
- Reaction to fire acc EN 13501-1
- Fire resistance test acc 1366-3
- Installation according to Hilti instructions

\*\*\*) The pipe wall thickness approved can be found in this graphic

Sound Insulation for rigid wall

$$D_{n,w} = 58 \text{ dB}$$

$$R_w = 51 \text{ dB}$$





CONTENTS

Straight plastic pipe in a rigid wall

ID

WW-RW-PP-0067

FIRESTOP COLLAR ENDLESS

0067\_01

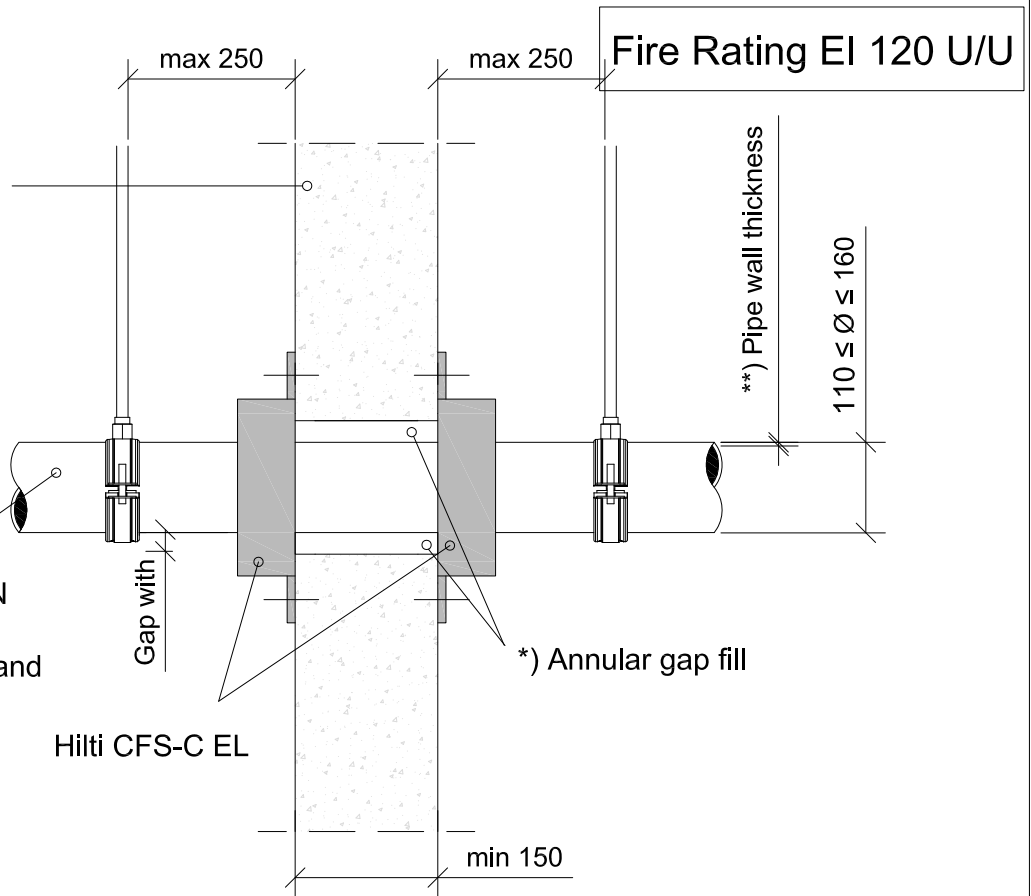
REV  
00

No scale

All units are in millimetres

Comprise concrete, aerated concrete, brickwork, lime malm bricks or masonry. min density of 650 kg/m<sup>3</sup>

PVC acc EN 1452-1, EN 1329-1, EN 1453-1, EN 1566-1, EN ISO 15493 and DIN 8061/62



\*) Annular gap fill material

Gap with (mm)	Annular Gap Fill
0-15	Hilti Firestop Acrylic Sealant CFS-S ACR only with a depth > 25 mm on both sides of the floor
0-40	Hilti Firestop Acrylic Sealant CFS-S ACR on top side of floor only with depth > 25 mm, backfilled with mineral wool
0-40	Cementious mortar acc. EN 998-2 group M10 over the entire thickness of the wall.

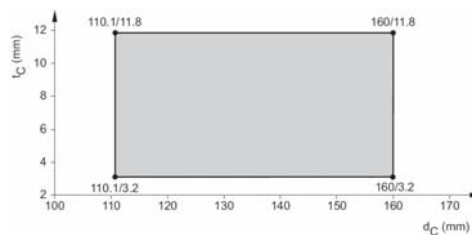
- Approval ETA-14/0085 of 23/04/2014
- Reaction to fire acc EN 13501-1
- Fire resistance test acc 1366-3
- Installation according to Hilti instructions

\*\*\*) The pipe wall thickness approved can be found in this graphic

Sound Insulation for rigid wall

$$D_{n,w} = 58 \text{ dB}$$

$$R_w = 51 \text{ dB}$$





CONTENTS

Inclined plastic pipe in a rigid wall

ID

WW-RW-PP-0123

FIRESTOP COLLAR ENDLESS

0123\_01

REV  
00

No scale

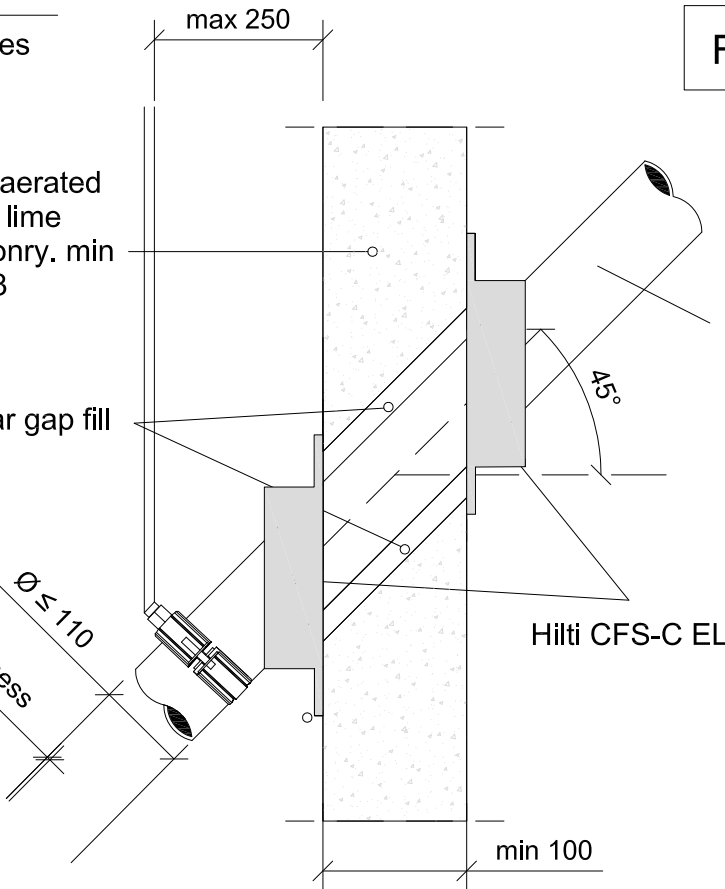
All units are in milimetres

Fire Rating EI 90 U/U

Comprise concrete, aerated concrete, brickwork, lime malm bricks or masonry. min density of 650 kg/m3

\*) Annular gap fill

\*\*) Pipe wall thickness



PE Pipe acc EN 1519-1, EN 12666-1, EN 12201-2

Hilti CFS-C EL

\*) Annular gap fill material

Gap with (mm)	Annular Gap Fill
0-15	Hilti Firestop Acrylic Sealant CFS-S ACR only with a depth > 25 mm on both sides of the floor
0-40	Hilti Firestop Acrylic Sealant CFS-S ACR on top side of floor only with depth > 25 mm, backfilled with mineral wool
0-40	Cementitious mortar acc. EN 998-2 group M10 over the entire thickness of the wall.

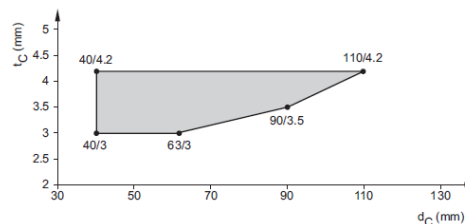
- Approval ETA-14/0085 of 23/04/2014
- Reaction to fire acc EN 13501-1
- Fire resistance test acc 1366-3
- Installation according to Hilti instructions

\*\*) The pipe wall thickness approved can be found in this graphic

Sound Insulation for rigid wall

$$D_{n,w} = 58 \text{ dB}$$

$$R_w = 51 \text{ dB}$$





CONTENTS

Inclined plastic pipe in a rigid wall

ID

WW-RW-PP-0126

FIRESTOP COLLAR ENDLESS

0126\_01

REV  
00

No scale

All units are in millimetres

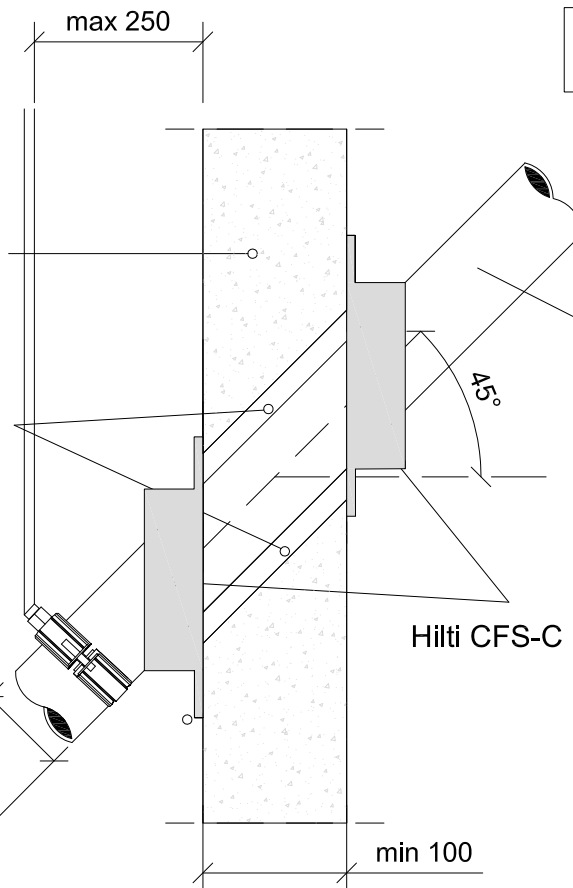
Fire Rating EI 90 U/U

Comprise concrete, aerated concrete, brickwork, lime malm bricks or masonry. min density of 650 kg/m<sup>3</sup>

\*) Annular gap fill

\*\*) Pipe wall thickness

$\varnothing \leq 110$



PP pipes acc. EN 1451-1 and DIN 8077/78

Hilti CFS-C EL

\*) Annular gap fill material

Gap with (mm)	Annular Gap Fill
0-15	Hilti Firestop Acrylic Sealant CFS-S ACR only with a depth > 25 mm on both sides of the floor
0-40	Hilti Firestop Acrylic Sealant CFS-S ACR on top side of floor only with depth > 25 mm, backfilled with mineral wool
0-40	Cementious mortar acc. EN 998-2 group M10 over the entire thickness of the wall.

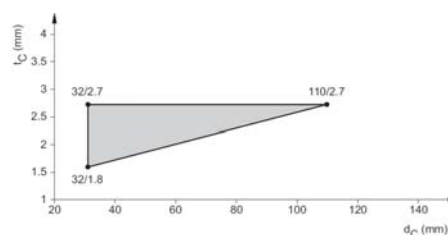
- Approval ETA-14/0085 of 23/04/2014
- Reaction to fire acc EN 13501-1
- Fire resistance test acc 1366-3
- Installation according to Hilti instructions

Sound Insulation for rigid wall

$$D_{n,w} = 58 \text{ dB}$$

$$R_w = 51 \text{ dB}$$

\*\*) The pipe wall thickness approved can be found in this graphic





CONTENTS

Inclined plastic pipe in a rigid wall

ID

WW-RW-PP-0127

FIRESTOP COLLAR ENDLESS

0127\_01

REV

00

No scale

All units are in millimetres

Fire Rating EI 90 U/U

Comprise concrete, aerated concrete, brickwork, lime malm bricks or masonry. min density of 650 kg/m<sup>3</sup>

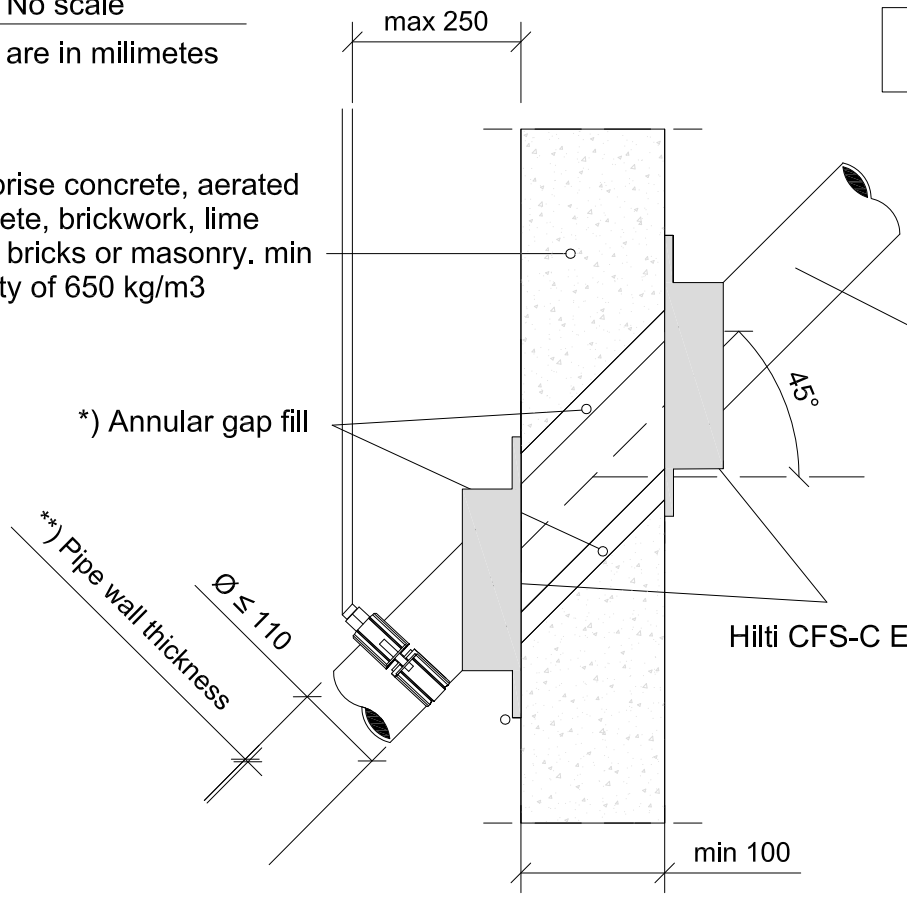
\*) Annular gap fill

\*\*\*) Pipe wall thickness

$\varnothing \leq 110$

Hilti CFS-C EL

PVC acc EN 1452-1, EN 1329-1, EN 1453-1, EN 1566-1, EN ISO 15493 and DIN 8061/62



\*) Annular gap fill material

Gap with (mm)	Annular Gap Fill
0-15	Hilti Firestop Acrylic Sealant CFS-S ACR only with a depth > 25 mm on both sides of the floor
0-40	Hilti Firestop Acrylic Sealant CFS-S ACR on top side of floor only with depth > 25 mm, backfilled with mineral wool
0-40	Cementitious mortar acc. EN 998-2 group M10 over the entire thickness of the wall.

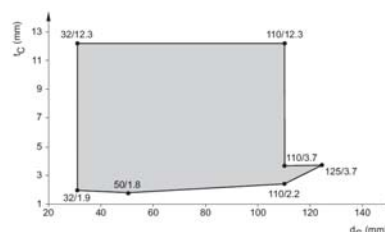
- Approval ETA-14/0085 of 23/04/2014
- Reaction to fire acc EN 13501-1
- Fire resistance test acc 1366-3
- Installation according to Hilti instructions

\*\*) The pipe wall thickness approved can be found in this graphic

Sound Insulation for rigid wall

$$D_{n,w} = 58 \text{ dB}$$

$$R_w = 51 \text{ dB}$$





CONTENTS

Plastic pipe in a rigid wall

ID

WW-RW-PP-0149

FIRESTOP COLLAR ENDLESS

0149\_01

REV

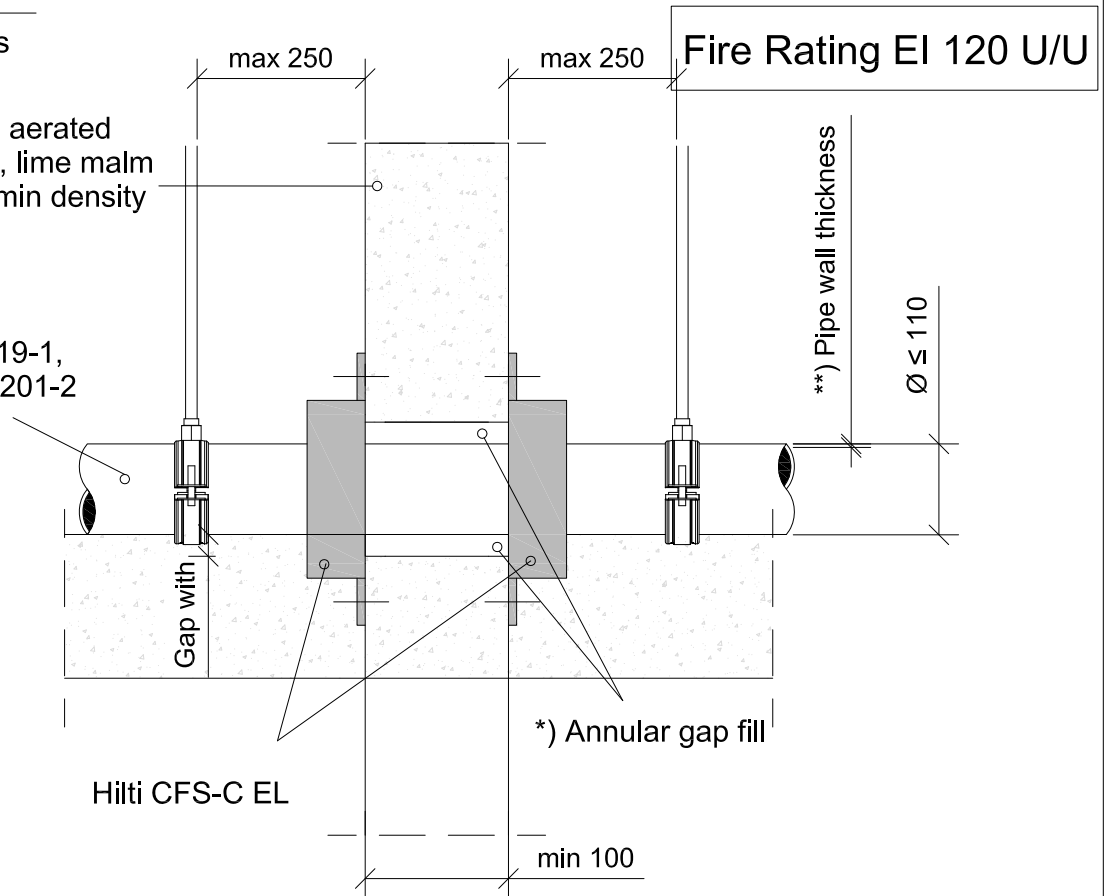
00

No scale

All units are in millimetres

Comprise concrete, aerated concrete, brickwork, lime malm bricks or masonry. min density of 650 kg/m<sup>3</sup>

PE Pipe acc EN 1519-1, EN 12666-1, EN 12201-2



\*) Annular gap fill material

Gap with (mm)	Annular Gap Fill
0-15	Hilti Firestop Acrylic Sealant CFS-S ACR only with a depth > 25 mm on both sides of the floor
0-40	Hilti Firestop Acrylic Sealant CFS-S ACR on top side of floor only with depth > 25 mm, backfilled with mineral wool
0-40	Cementitious mortar acc. EN 998-2 group M10 over the entire thickness of the wall.

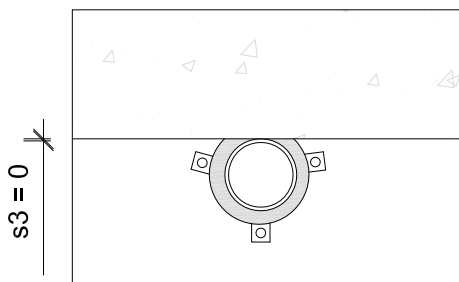
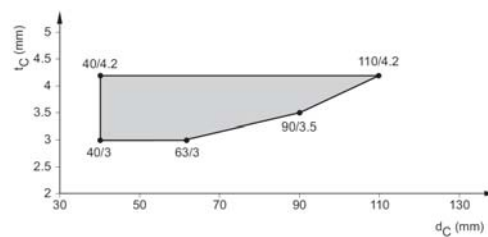
- Approval ETA-14/0085 of 23/04/2014
- Reaction to fire acc EN 13501-1
- Fire resistance test acc 1366-3
- Installation according to Hilti instructions

Sound Insulation for rigid wall

$$D_{n,w} = 58 \text{ dB}$$

$$R_w = 51 \text{ dB}$$

\*\*\*) The pipe wall thickness approved can be found in this graphic





CONTENTS

Plastic pipe in a rigid wall

ID

WW-RW-PP-0152

FIRESTOP COLLAR ENDLESS

0152\_01

REV

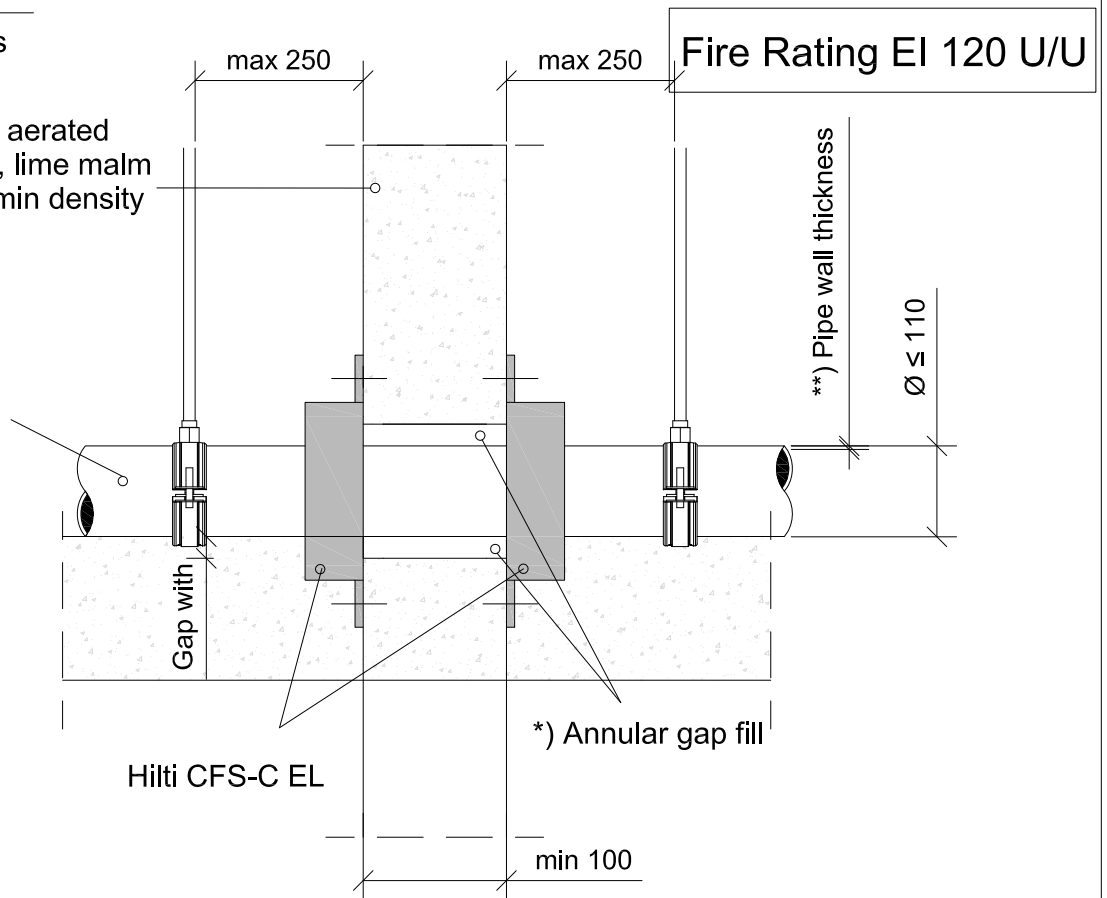
00

No scale

All units are in millimetres

Comprise concrete, aerated concrete, brickwork, lime malm bricks or masonry. min density of 650 kg/m<sup>3</sup>

PP acc EN 1451-1 and DIN 8077/78



\*) Annular gap fill material

Gap with (mm)	Annular Gap Fill
0-15	Hilti Firestop Acrylic Sealant CFS-S ACR only with a depth > 25 mm on both sides of the floor
0-40	Hilti Firestop Acrylic Sealant CFS-S ACR on top side of floor only with depth > 25 mm, backfilled with mineral wool
0-40	Cementitious mortar acc. EN 998-2 group M10 over the entire thickness of the wall.

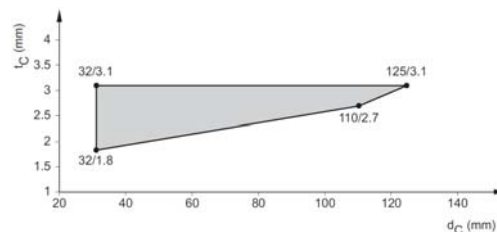
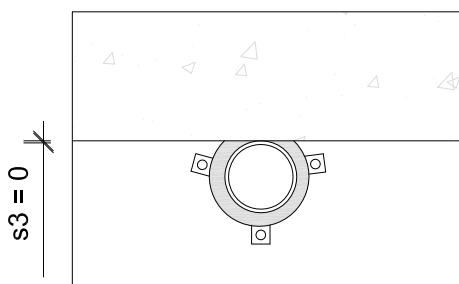
- Approval ETA-14/0085 of 23/04/2014
- Reaction to fire acc EN 13501-1
- Fire resistance test acc 1366-3
- Installation according to Hilti instructions

Sound Insulation for rigid wall

$D_{n,w} = 58 \text{ dB}$

$R_w = 51 \text{ dB}$

\*\*) The pipe wall thickness approved can be found in this graphic





CONTENTS

Plastic pipe in a rigid wall

ID

WW-RW-PP-0153

FIRESTOP COLLAR ENDLESS

0153\_01

REV

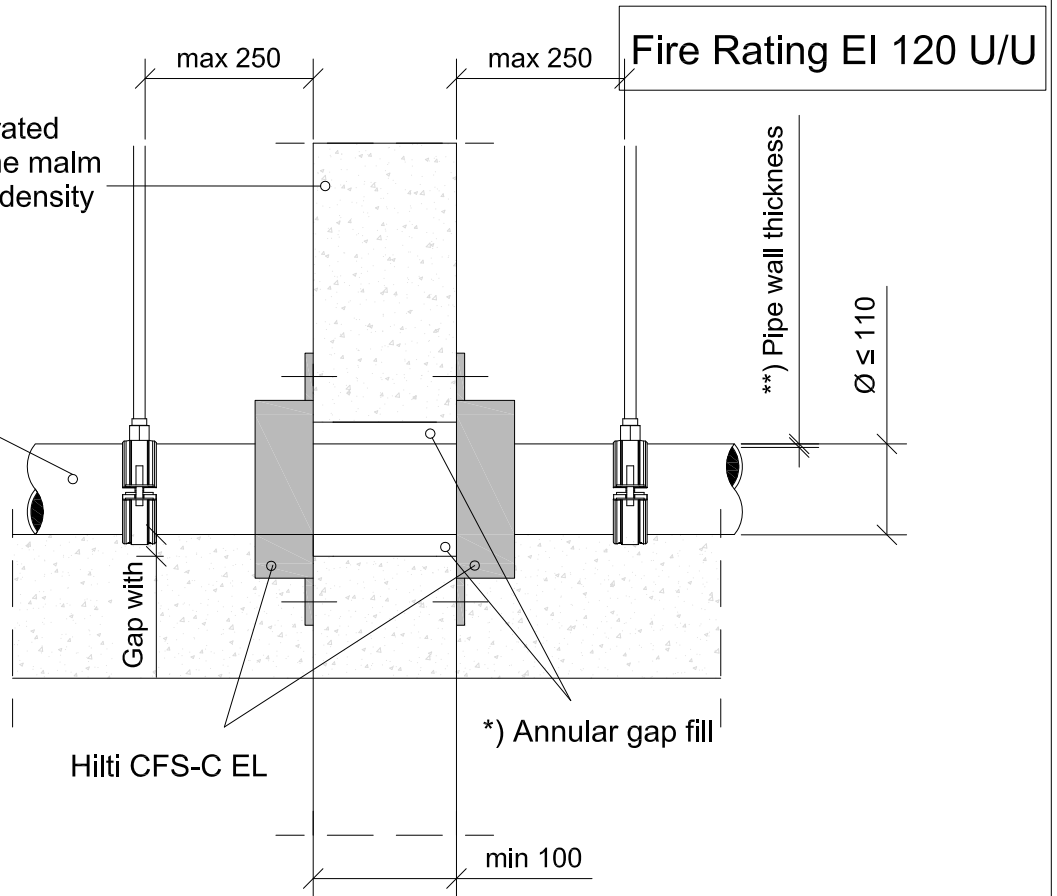
00

No scale

All units are in millimetres

Comprise concrete, aerated concrete, brickwork, lime malm bricks or masonry. min density of 650 kg/m<sup>3</sup>

PVC acc EN 1452-1, EN 1329-1, EN 1453-1, EN 1566-1, EN ISO 15493 and DIN 8061/62



\* \*) Annular gap fill material

Gap with (mm)	Annular Gap Fill
0-15	Hilti Firestop Acrylic Sealant CFS-S ACR only with a depth > 25 mm on both sides of the floor
0-40	Hilti Firestop Acrylic Sealant CFS-S ACR on top side of floor only with depth > 25 mm, backfilled with mineral wool
0-40	Cementitious mortar acc. EN 998-2 group M10 over the entire thickness of the wall.

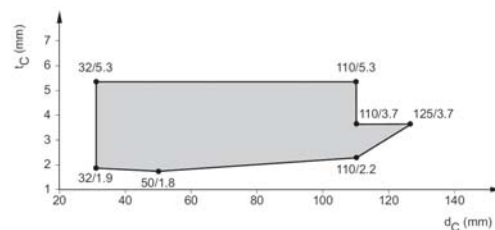
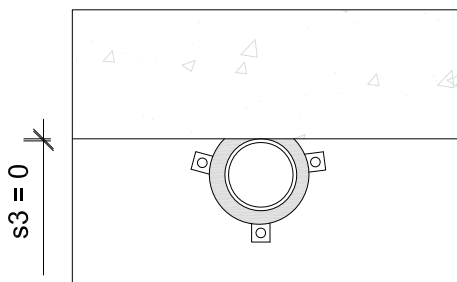
- Approval ETA-14/0085 of 23/04/2014
- Reaction to fire acc EN 13501-1
- Fire resistance test acc 1366-3
- Installation according to Hilti instructions

Sound Insulation for rigid wall

$D_{n,w} = 58 \text{ dB}$

$R_w = 51 \text{ dB}$

\*\* \*) The pipe wall thickness approved can be found in this graphic







CONTENTS

Plastic pipe on the corner in a rigid wall

ID

WW-RW-PP-0161

FIRESTOP COLLAR ENDLESS

0161\_01

REV

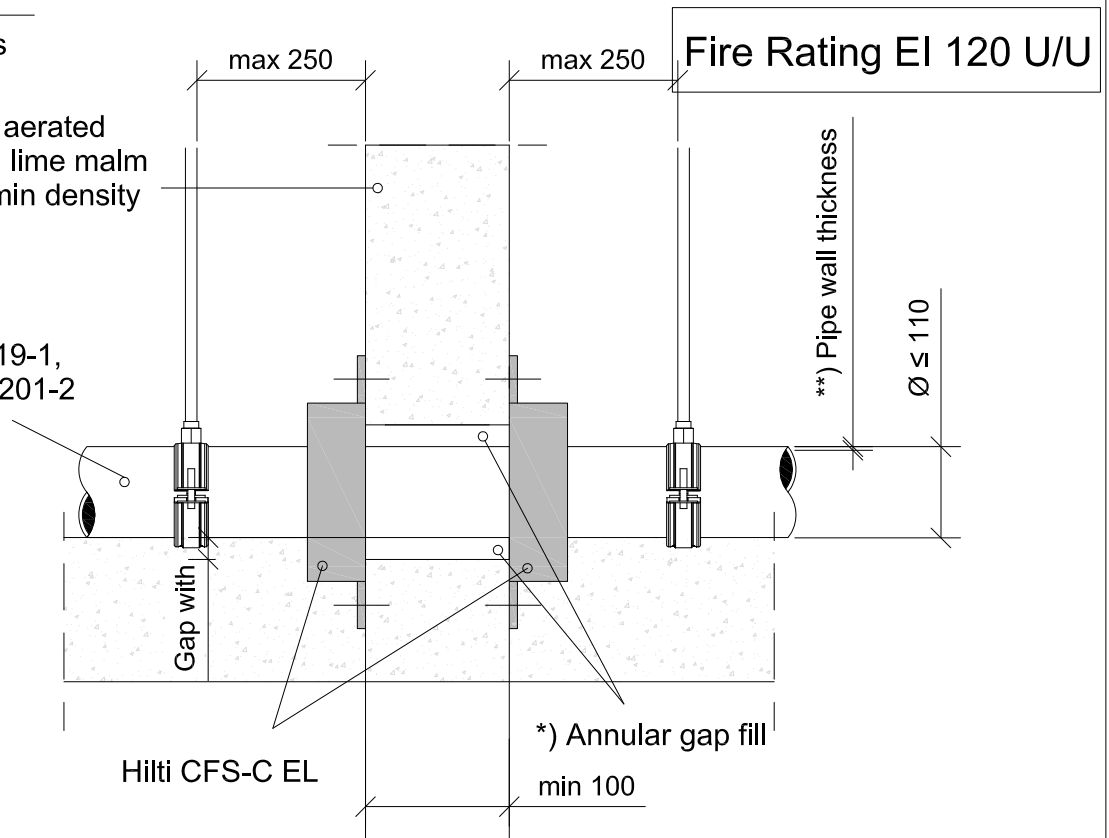
00

No scale

All units are in milimetres

Comprise concrete, aerated concrete, brickwork, lime malm bricks or masonry. min density of 650 kg/m<sup>3</sup>

PE Pipe acc EN 1519-1, EN 12666-1, EN 12201-2



\*) Annular gap fill material

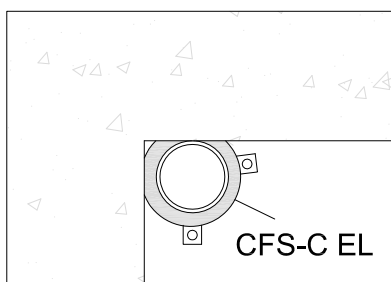
Gap with (mm)	Annular Gap Fill
0-15	Hilti Firestop Acrylic Sealant CFS-S ACR only with a depth > 25 mm on both sides of the floor
0-40	Hilti Firestop Acrylic Sealant CFS-S ACR on top side of floor only with depth > 25 mm, backfilled with mineral wool
0-40	Cementitious mortar acc. EN 998-2 group M10 over the entire thickness of the wall.

- Approval ETA-14/0085 of 23/04/2014
- Reaction to fire acc EN 13501-1
- Fire resistance test acc EN 1366-3
- Installation according to Hilti instructions

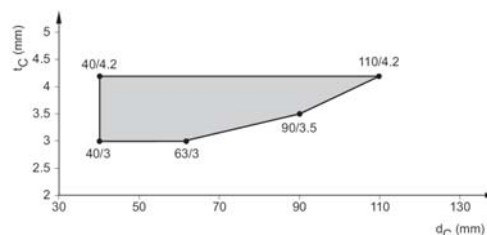
Sound Insulation for rigid wall

$$D_{n,w} = 58 \text{ dB}$$

$$R_w = 51 \text{ dB}$$



\*\*) The pipe wall thickness approved can be found in this graphic





CONTENTS

Plastic pipe on the corner in a rigid wall

ID

WW-RW-PP-0164

FIRESTOP COLLAR ENDLESS

0164\_01

REV

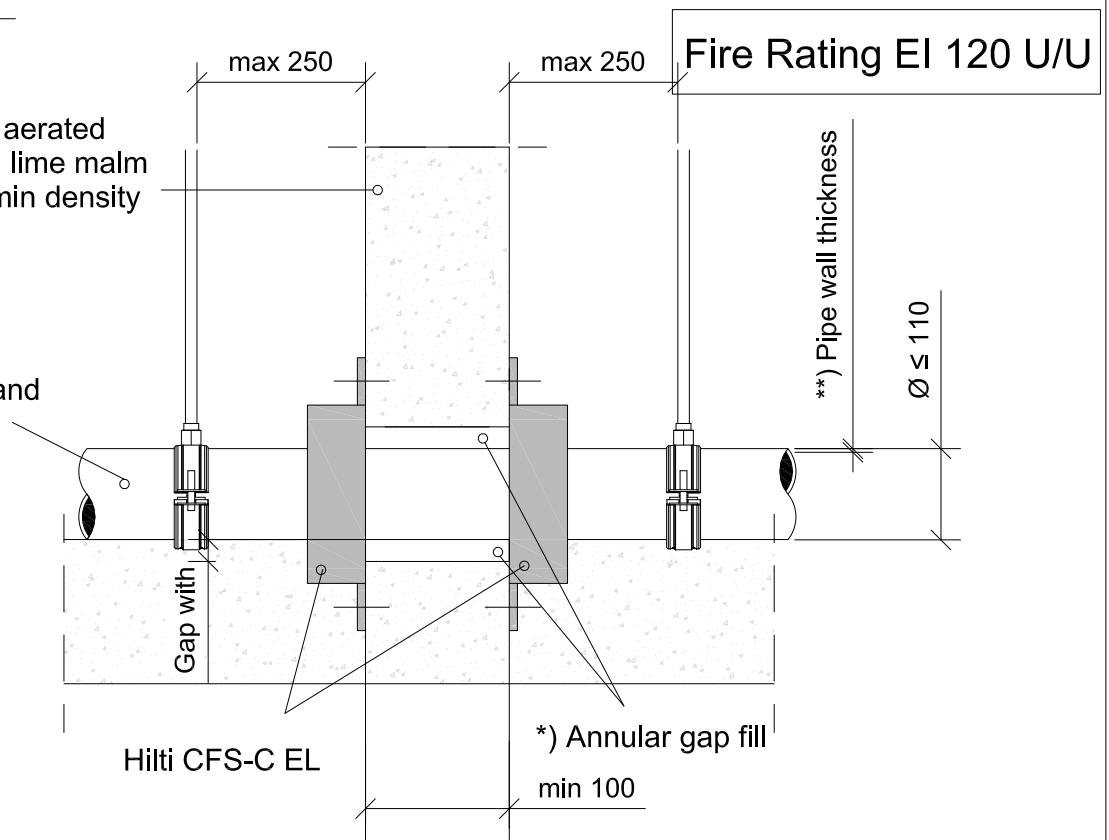
00

No scale

All units are in millimetres

Comprise concrete, aerated concrete, brickwork, lime malm bricks or masonry. min density of 650 kg/m<sup>3</sup>

PP acc EN 1451-1 and DIN 8077/78



\*) Annular gap fill material

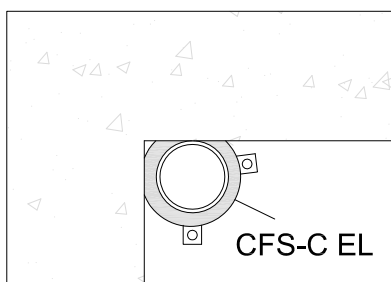
Gap with (mm)	Annular Gap Fill
0-15	Hilti Firestop Acrylic Sealant CFS-S ACR only with a depth > 25 mm on both sides of the floor
0-40	Hilti Firestop Acrylic Sealant CFS-S ACR on top side of floor only with depth > 25 mm, backfilled with mineral wool
0-40	Cementitious mortar acc. EN 998-2 group M10 over the entire thickness of the wall.

- Approval ETA-14/0085 of 23/04/2014
- Reaction to fire acc EN 13501-1
- Fire resistance test acc EN 1366-3
- Installation according to Hilti instructions

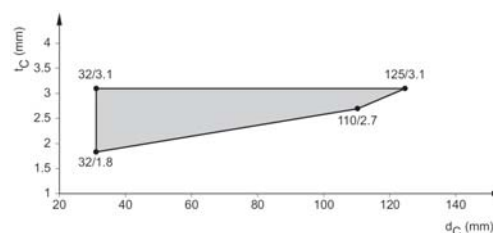
Sound Insulation for rigid wall

$$D_{n,w} = 58 \text{ dB}$$

$$R_w = 51 \text{ dB}$$



\*\*) The pipe wall thickness approved can be found in this graphic





CONTENTS

Plastic pipe on the corner in a rigid wall

ID

WW-RW-PP-0165

FIRESTOP COLLAR ENDLESS

0165\_01

REV

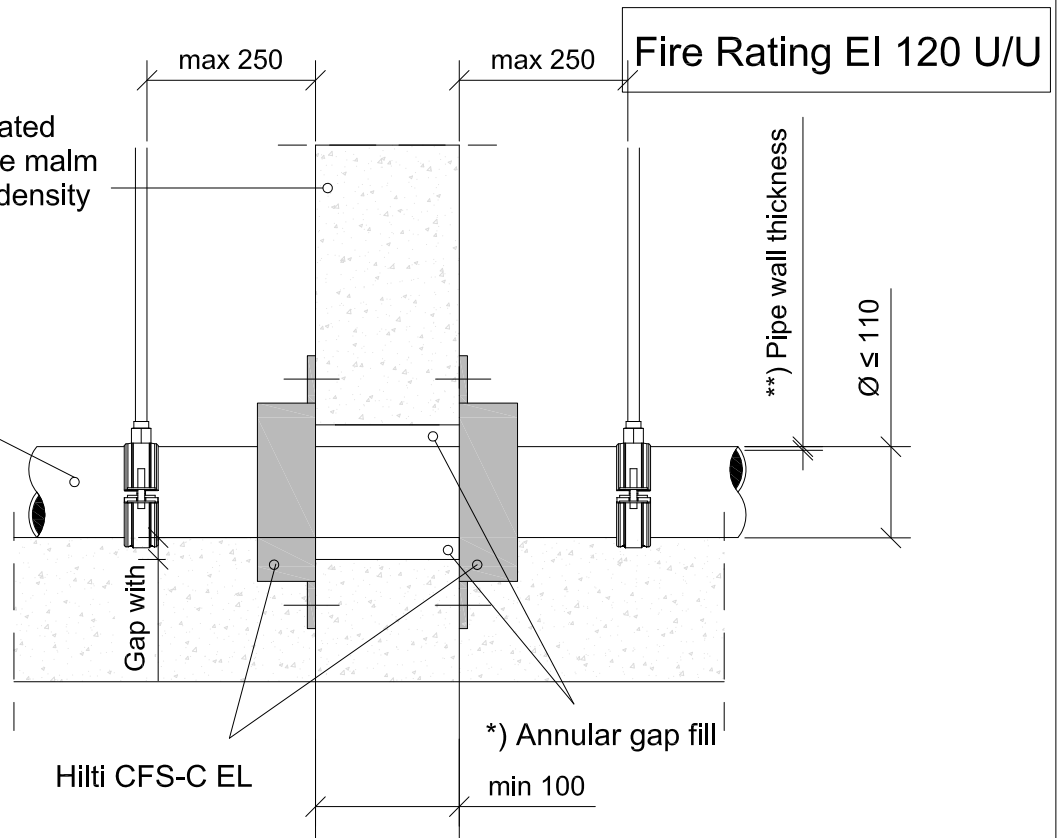
00

No scale

All units are in millimetres

Comprise concrete, aerated concrete, brickwork, lime malm bricks or masonry. min density of 650 kg/m<sup>3</sup>

PVC acc EN 1452-1, EN 1329-1, EN 1453-1, EN 1566-1, EN ISO 15493 and DIN 8061/62



\* \*) Annular gap fill material

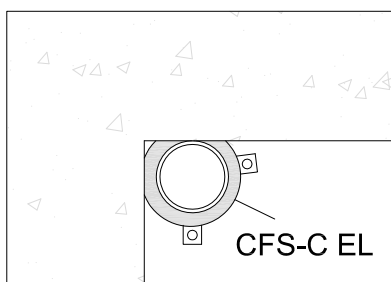
Gap with (mm)	Annular Gap Fill
0-15	Hilti Firestop Acrylic Sealant CFS-S ACR only with a depth > 25 mm on both sides of the floor
0-40	Hilti Firestop Acrylic Sealant CFS-S ACR on top side of floor only with depth > 25 mm, backfilled with mineral wool
0-40	Cementitious mortar acc. EN 998-2 group M10 over the entire thickness of the wall.

- Approval ETA-14/0085 of 23/04/2014
- Reaction to fire acc EN 13501-1
- Fire resistance test acc EN 1366-3
- Installation according to Hilti instructions

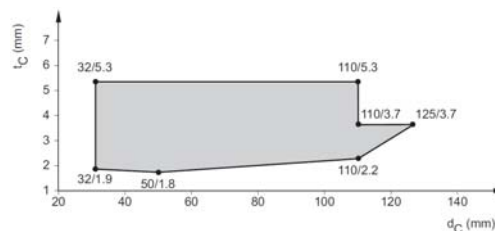
Sound Insulation for rigid wall

$$D_{n,w} = 58 \text{ dB}$$

$$R_w = 51 \text{ dB}$$



\* \*) The pipe wall thickness approved can be found in this graphic





CONTENTS

Multiple plastic pipe in one collar  
in a rigid wall

ID

WW-RW-PP-0183

FIRESTOP COLLAR ENDLESS

0183\_01

REV

00

No scale

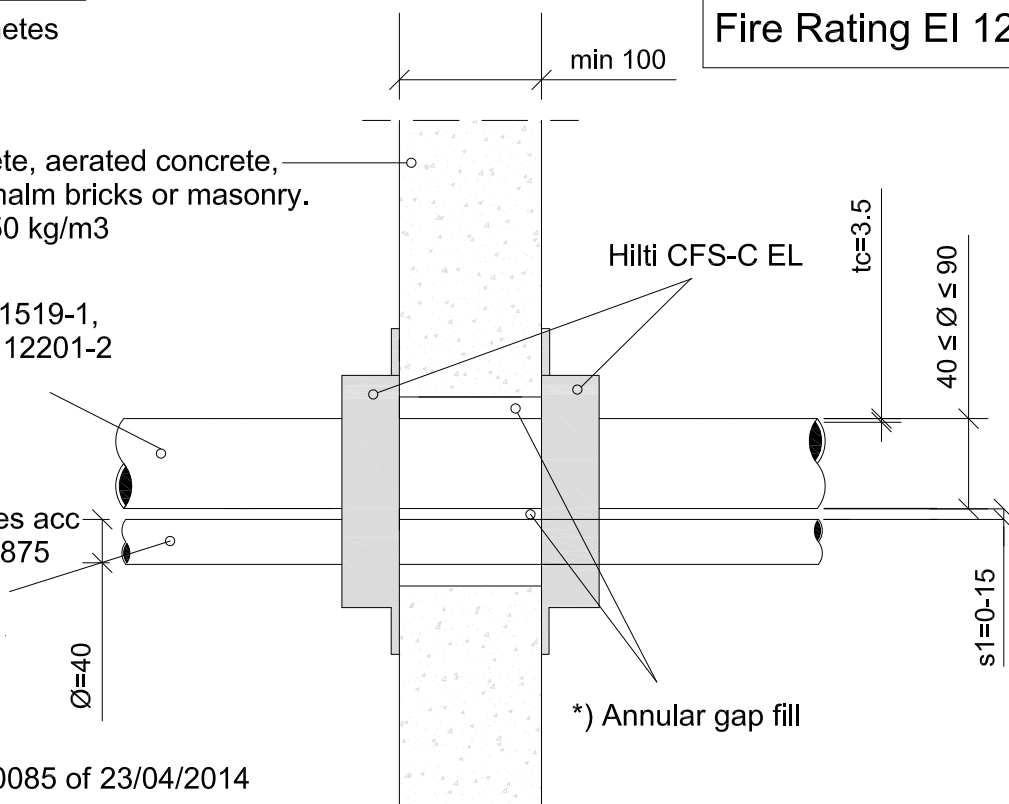
All units are in millimetres

Fire Rating EI 120 U/U

Comprise concrete, aerated concrete,  
brickwork, lime malm bricks or masonry.  
min density of 650 kg/m<sup>3</sup>

PE Pipe acc EN 1519-1,  
EN 12666-1, EN 12201-2

\*\* ) PP-R or PE-X pipes acc  
EN 15874 and EN 15875  
tc = 5.5 mm



- Approval ETA-14/0085 of 23/04/2014
- Reaction to fire acc EN 13501-1
- Fire resistance test acc EN 1366-3
- Installation according to Hilti instructions

\*) Annular gap fill material

\*\* ) PP-R or PE-X

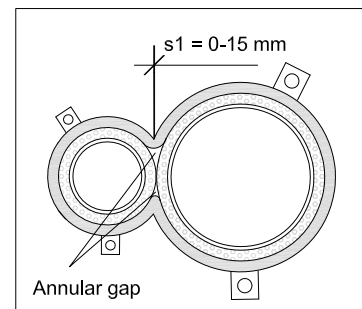
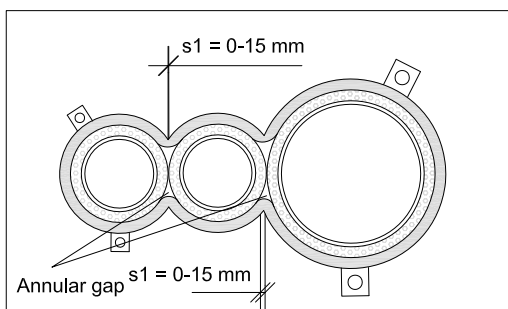
Gap with (mm)	Annular Gap Fill
0-15	Hilti Firestop Acrylic Sealant CFS-S ACR only with a depth > 25 mm on both sides of the wall
0-40	Hilti Firestop Acrylic Sealant CFS-S ACR on top side of wall only with depth > 25 mm, backfilled with mineral wool
0-40	Cementitious mortar acc. EN 998-2 group M10 over the entire thickness of the wall.

Pipes types	Aquaterm fusjolen (aquaterm green pipe S) Rehau Rautitan flex.
Elastomeric foamed thermal insulation	LS or CS with minimum length (LD) > 250 mm on both sides of the wall
Elastomeric foamed thermal insulation thickness	9 mm < td < 32 mm

Sound Insulation for rigid wall

$D_{n,w} = 58 \text{ dB}$

$R_w = 51 \text{ dB}$





CONTENTS

Multiple plastic pipe in one collar  
in a rigid wall

ID

WW-RW-PP-0184

FIRESTOP COLLAR ENDLESS

0184\_01

REV

00

No scale

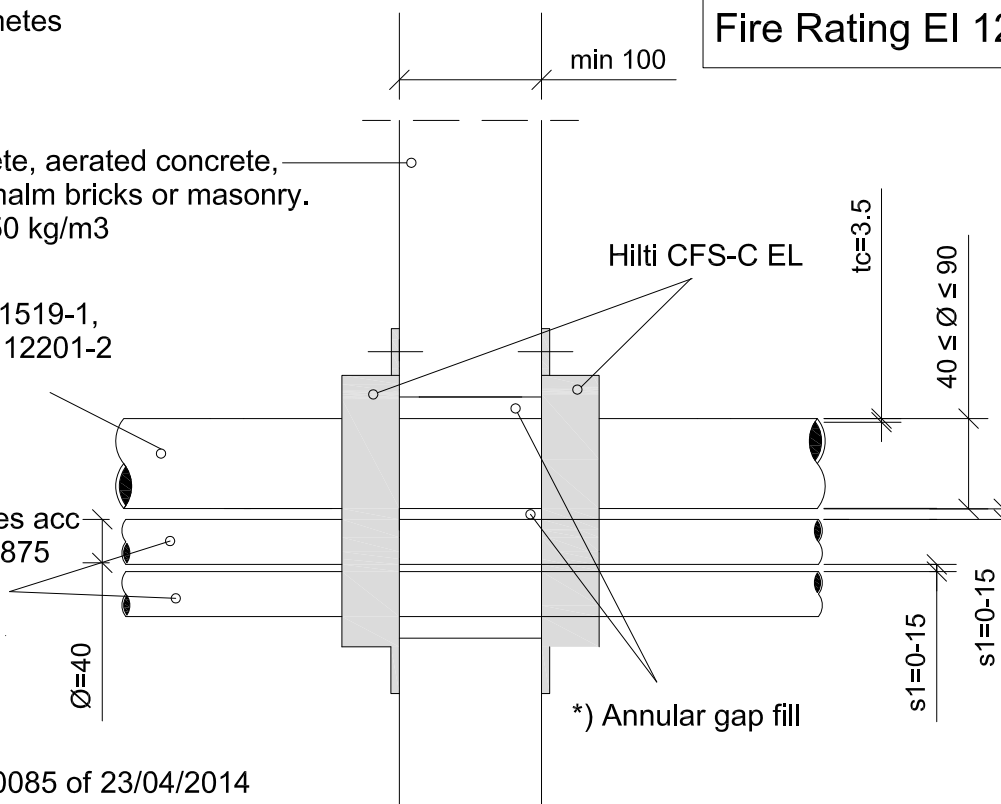
All units are in millimetres

Fire Rating EI 120 U/U

Comprise concrete, aerated concrete,  
brickwork, lime malm bricks or masonry.  
min density of 650 kg/m<sup>3</sup>

PE Pipe acc EN 1519-1,  
EN 12666-1, EN 12201-2

\*\*\*) PP-R or PE-X pipes acc  
EN 15874 and EN 15875  
tc = 5.5 mm



- Approval ETA-14/0085 of 23/04/2014
- Reaction to fire acc EN 13501-1
- Fire resistance test acc EN 1366-3
- Installation according to Hilti instructions

\*) Annular gap fill material

\*\*) PP-R or PE-X

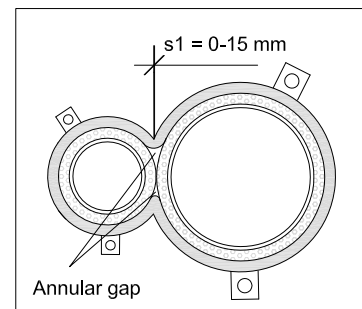
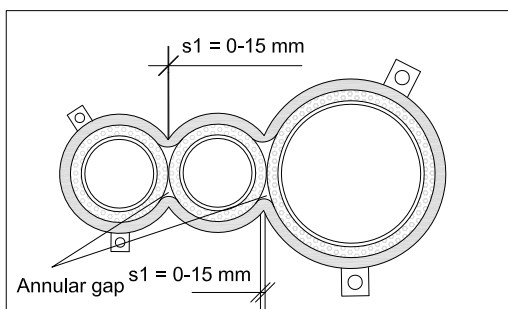
Gap with (mm)	Annular Gap Fill
0-15	Hilti Firestop Acrylic Sealant CFS-S ACR only with a depth > 25 mm on both sides of the wall
0-40	Hilti Firestop Acrylic Sealant CFS-S ACR on top side of wall only with depth > 25 mm, backfilled with mineral wool
0-40	Cementitious mortar acc. EN 998-2 group M10 over the entire thickness of the wall.

Pipes types	Aquaterm fusjolen (aquaterm green pipe S) Rehau Rautitan flex.
Elastomeric foamed thermal insulation	LS or CS with minimum length (LD) > 250 mm on both sides of the wall
Elastomeric foamed thermal insulation thickness	9 mm < td < 32 mm

Sound Insulation for rigid wall

$D_{n,w} = 58 \text{ dB}$

$R_w = 51 \text{ dB}$





CONTENTS

Zero distance to other system,  
Conlit or CFS-B

ID

WW-RW-PP-0192

FIRESTOP COLLAR ENDLESS

0192\_01

REV

00

No scale

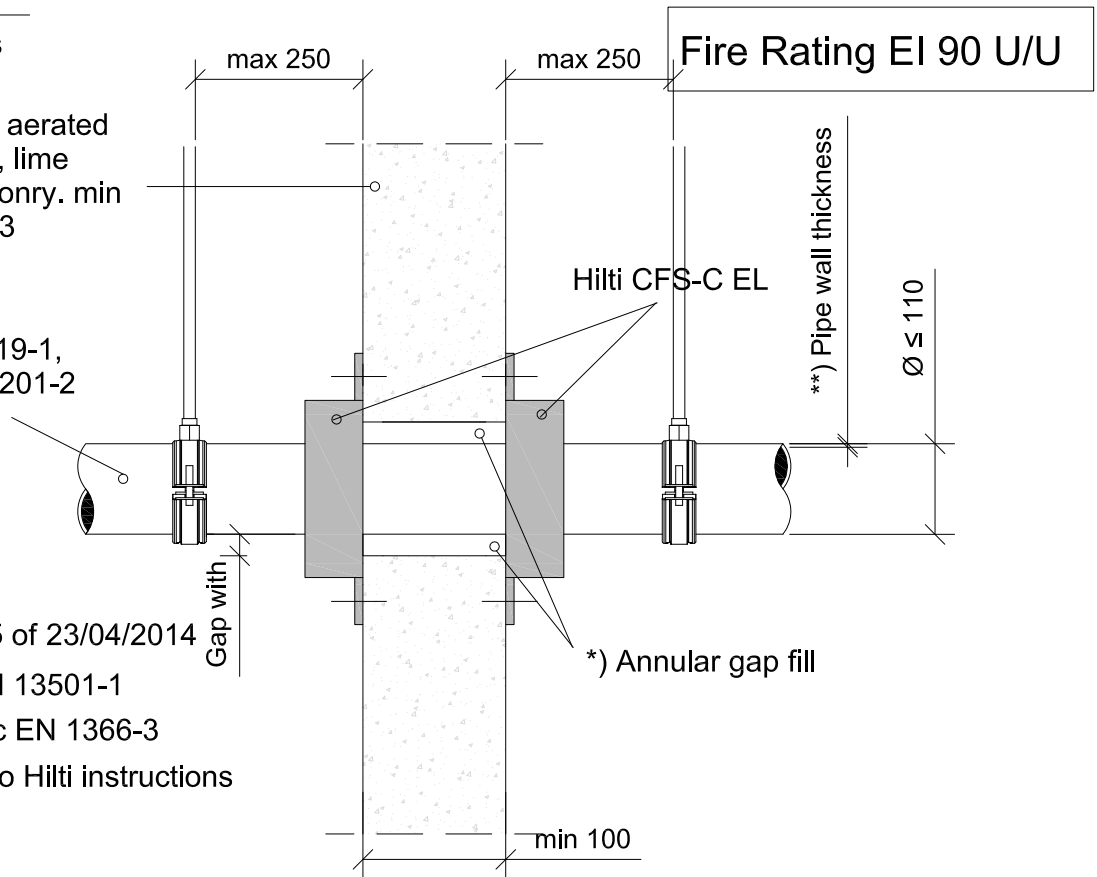
All units are in milimetres

Comprise concrete, aerated concrete, brickwork, lime malm bricks or masonry. min density of 650 kg/m<sup>3</sup>

PE Pipe acc EN 1519-1, EN 12666-1, EN 12201-2

- Approval ETA-14/0085 of 23/04/2014
- Reaction to fire acc EN 13501-1
- Fire resistance test acc EN 1366-3
- Installation according to Hilti instructions

\*) Annular gap fill material



Gap with (mm)	Annular Gap Fill
0-15	Hilti Firestop Acrylic Sealant CFS-S ACR only with a depth > 25 mm on both sides of the wall
0-40	Hilti Firestop Acrylic Sealant CFS-S ACR on top side of floor only with depth > 25 mm, backfilled with mineral wool
0-40	Cementitious mortar acc. EN 998-2 group M10 over the entire thickness of the wall.

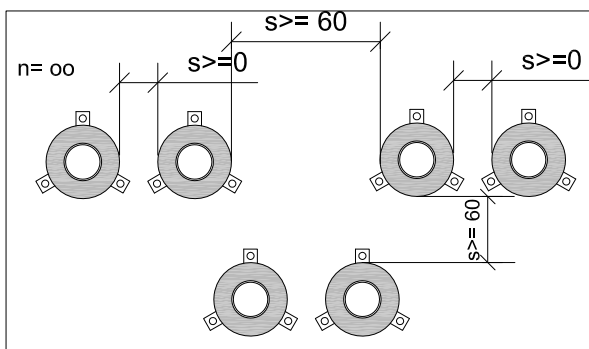
Approved pipes and insulation to be used with Conlit 150, Rockwool 800 and CFS-B

Pipes types	Copper, unalloyed steel, alloyed steel, cast iron, stainless steel
Pipe outside diameter	dm < 42 mm
Pipe thickness	1.2 mm < tm < 14.2 mm
Elastomeric foamed thermal insulation	CS with minimum length (ld>250mm) on both sides of the wall.
Elastomeric foamed thermal insulation thickness	9 mm < De < 35 mm
Incombustible thermal insulation, based on mineral wool (combustibility class A1 or A2 in acc EN 13501	- Conlit 150 inside the wall/floor only with Insulation thickness (td>19 mm) - Rockwool 800, covering the metal pipe outside the wall/floor with Insulation thickness td> 20 mm

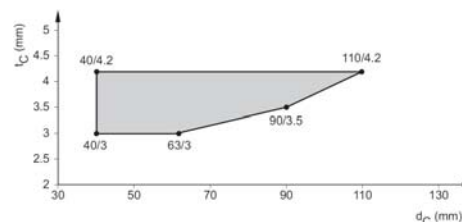
Sound Insulation for rigid wall

$$D_{n,w} = 58 \text{ dB}$$

$$R_w = 51 \text{ dB}$$



\*\*) The pipe wall thickness approved can be found in this graphic





CONTENTS

Zero distance to other system,  
Conlit or CFS-B

ID

WW-RW-PP-0195

FIRESTOP COLLAR ENDLESS

0195\_01

REV

00

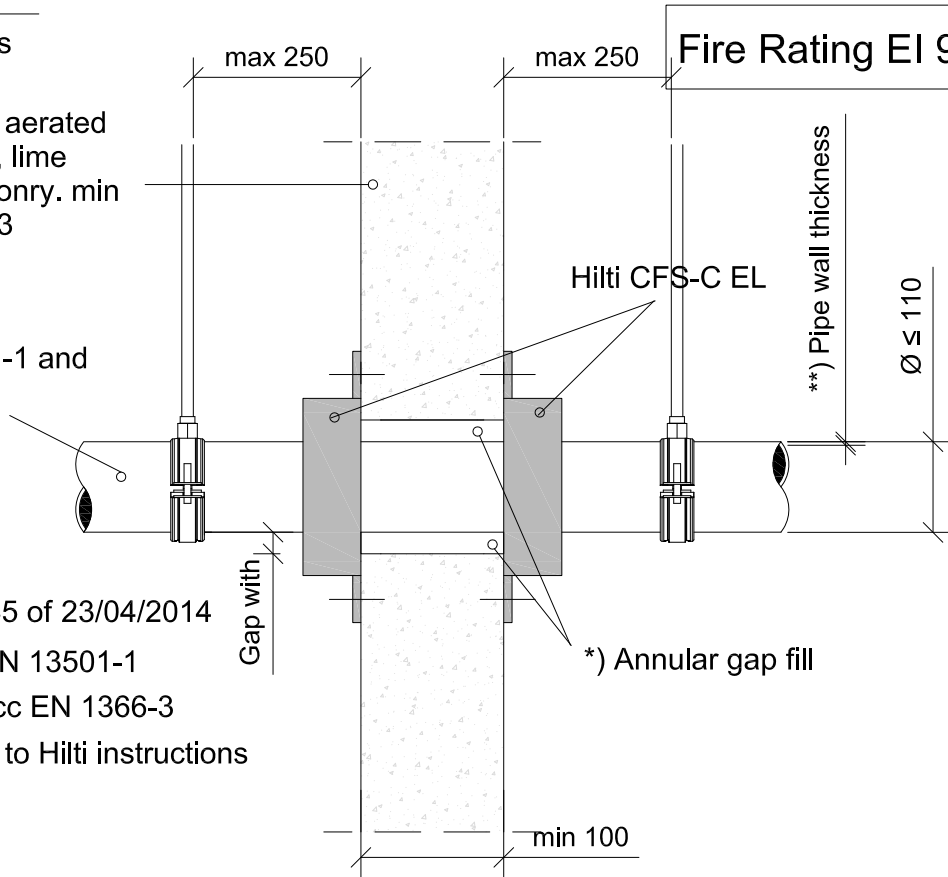
No scale

All units are in millimetres

Comprise concrete, aerated concrete, brickwork, lime malm bricks or masonry. min density of 650 kg/m<sup>3</sup>

PP acc EN 1451-1 and DIN 8077/78

Fire Rating EI 90 U/U



- Approval ETA-14/0085 of 23/04/2014
- Reaction to fire acc EN 13501-1
- Fire resistance test acc EN 1366-3
- Installation according to Hilti instructions

\*) Annular gap fill material

Gap with (mm)	Annular Gap Fill
0-15	Hilti Firestop Acrylic Sealant CFS-S ACR only with a depth > 25 mm on both sides of the wall
0-40	Hilti Firestop Acrylic Sealant CFS-S ACR on top side of floor only with depth > 25 mm, backfilled with mineral wool
0-40	Cementitious mortar acc. EN 998-2 group M10 over the entire thickness of the wall.

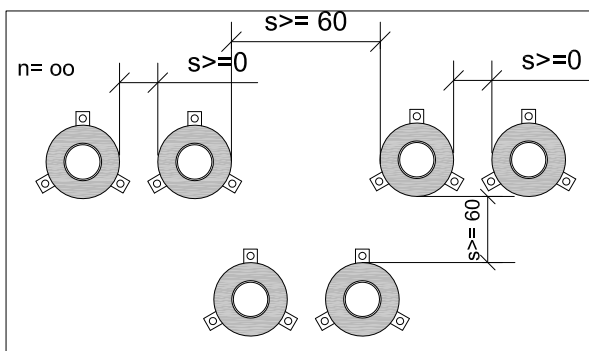
Approved pipes and insulation to be used with Conlit 150, Rockwool 800 and CFS-B

Pipes types	Copper, unalloyed steel, alloyed steel, cast iron, stainless steel
Pipe outside diameter	dm < 42 mm
Pipe thickness	1.2 mm < tm < 14.2 mm
Elastomeric foamed thermal insulation	CS with minimum length (ld>250mm) on both sides of the wall.
Elastomeric foamed thermal insulation thickness	9 mm < De < 35 mm
Incombustible thermal insulation, based on mineral wool (combustibility class A1 or A2 in acc EN 13501	- Conlit 150 inside the wall/floor only with Insulation thickness (td>19 mm) - Rockwool 800, covering the metal pipe outside the wall/floor with Insulation thickness td> 20 mm

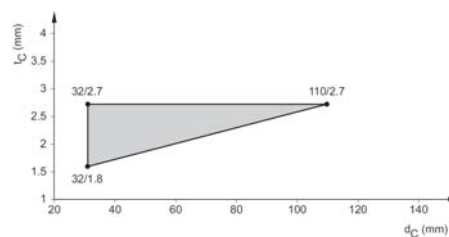
Sound Insulation for rigid wall

$$D_{n,w} = 58 \text{ dB}$$

$$R_w = 51 \text{ dB}$$



\*\*). The pipe wall thickness approved can be found in this graphic





CONTENTS

Zero distance to other system,  
Conlit or CFS-B

ID

WW-RW-PP-0196

FIRESTOP COLLAR ENDLESS

0196\_01

REV

00

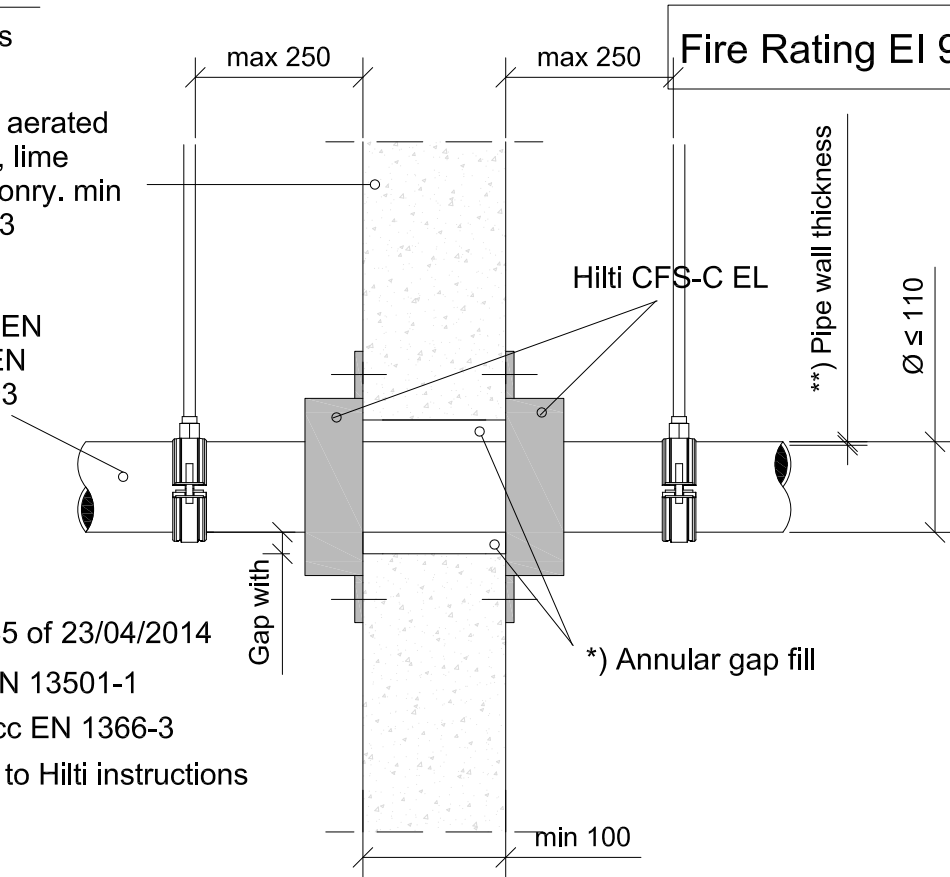
No scale

All units are in millimetres

Comprise concrete, aerated concrete, brickwork, lime malm bricks or masonry. min density of 650 kg/m<sup>3</sup>

PVC acc EN 1452-1, EN 1329-1, EN 1453-1, EN 1566-1, EN ISO 15493 and DIN 8061/62

Fire Rating EI 90 U/U



- Approval ETA-14/0085 of 23/04/2014
- Reaction to fire acc EN 13501-1
- Fire resistance test acc EN 1366-3
- Installation according to Hilti instructions

\* ) Annular gap fill material

Gap with (mm)	Annular Gap Fill
0-15	Hilti Firestop Acrylic Sealant CFS-S ACR only with a depth > 25 mm on both sides of the wall
0-40	Hilti Firestop Acrylic Sealant CFS-S ACR on top side of floor only with depth > 25 mm, backfilled with mineral wool
0-40	Cementitious mortar acc. EN 998-2 group M10 over the entire thickness of the wall.

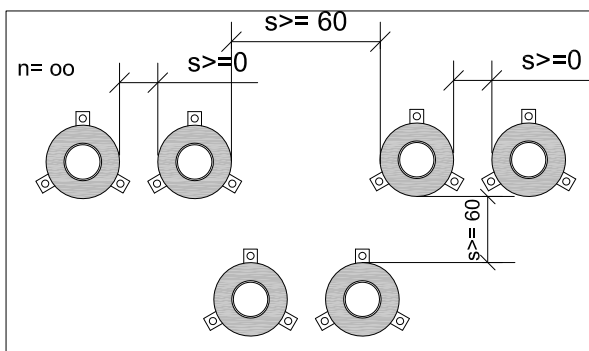
Approved pipes and insulation to be used with Conlit 150, Rockwool 800 and CFS-B

Pipes types	Copper, unalloyed steel, alloyed steel, cast iron, stainless steel
Pipe outside diameter	dm < 42 mm
Pipe thickness	1.2 mm < tm < 14.2 mm
Elastomeric foamed thermal insulation	CS with minimum length (ld>250mm) on both sides of the wall.
Elastomeric foamed thermal insulation thickness	9 mm < De < 35 mm
Incombustible thermal insulation, based on mineral wool (combustibility class A1 or A2 in acc EN 13501	- Conlit 150 inside the wall/floor only with Insulation thickness (td>19 mm) - Rockwool 800, covering the metal pipe outside the wall/floor with Insulation thickness td> 20 mm

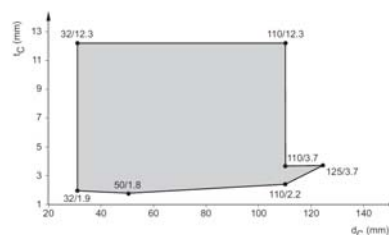
Sound Insulation for rigid wall

$$D_{n,w} = 58 \text{ dB}$$

$$R_w = 51 \text{ dB}$$



\*\* ) The pipe wall thickness approved can be found in this graphic







CONTENTS

Zero distance to other system

ID

WW-RW-PP-0198

FIRESTOP COLLAR ENDLESS

0198\_01

REV

00

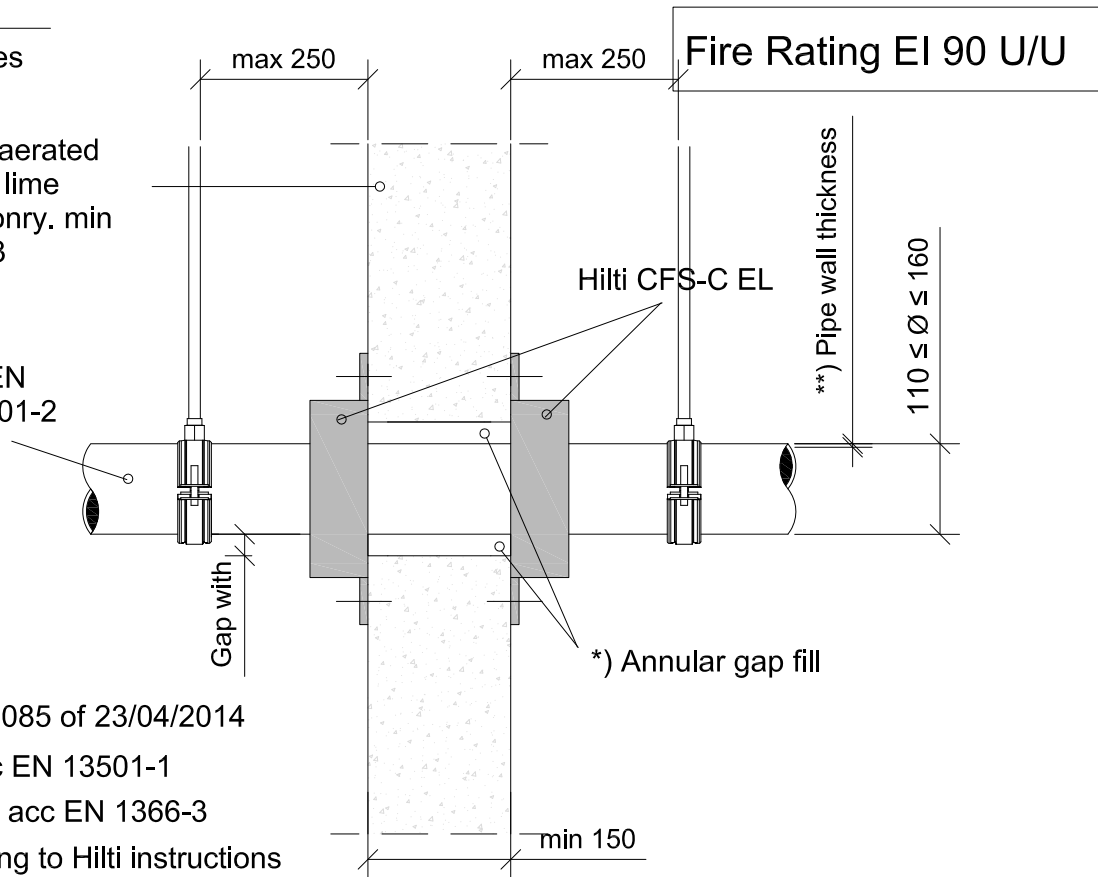
No scale

All units are in millimetres

Comprise concrete, aerated concrete, brickwork, lime malm bricks or masonry. min density of 650 kg/m<sup>3</sup>

PE acc EN 1519-1, EN 12666-1 and EN 12201-2

- Approval ETA-14/0085 of 23/04/2014
- Reaction to fire acc EN 13501-1
- Fire resistance test acc EN 1366-3
- Installation according to Hilti instructions



\* \*) Annular gap fill material

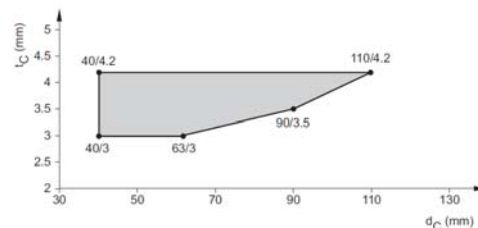
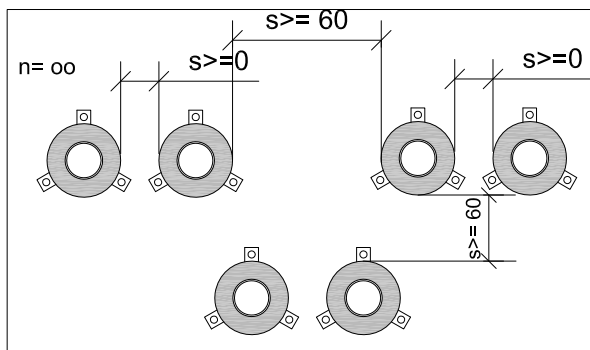
Gap with (mm)	Annular Gap Fill
0-15	Hilti Firestop Acrylic Sealant CFS-S ACR only with a depth > 25 mm on both sides of the wall
0-40	Hilti Firestop Acrylic Sealant CFS-S ACR on top side of wall only with depth > 25 mm, backfilled with mineral wool
0-40	Cementious mortar acc. EN 998-2 group M10 over the entire thickness of the wall.

Sound Insulation for rigid wall

$$D_{n,w} = 58 \text{ dB}$$

$$R_w = 51 \text{ dB}$$

\*\* \*) The pipe wall thickness approved can be found in this graphic





CONTENTS

Zero distance to other system

ID

WW-RW-PP-0199

FIRESTOP COLLAR ENDLESS

0199\_01

REV

00

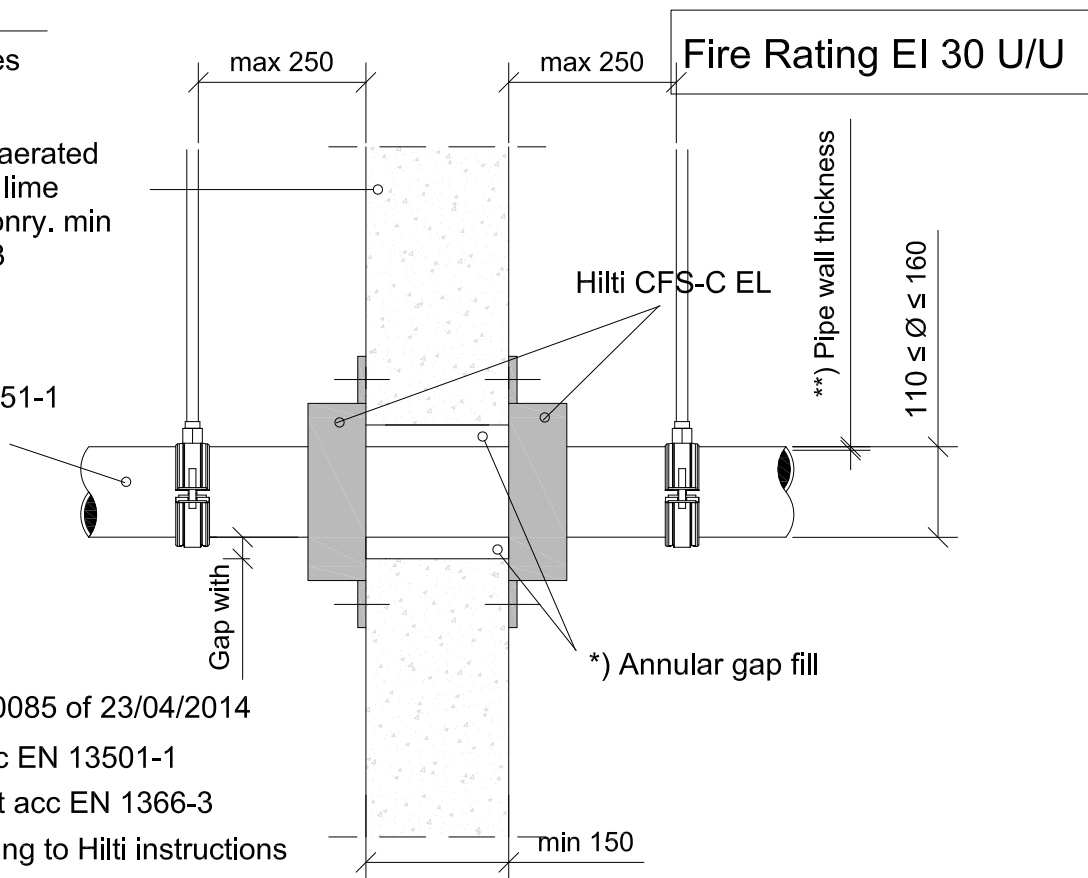
No scale

All units are in millimetres

Comprise concrete, aerated concrete, brickwork, lime malm bricks or masonry. min density of 650 kg/m<sup>3</sup>

PP pipes acc EN 1451-1 and DIN 8077-78

- Approval ETA-14/0085 of 23/04/2014
- Reaction to fire acc EN 13501-1
- Fire resistance test acc EN 1366-3
- Installation according to Hilti instructions



\*) Annular gap fill material

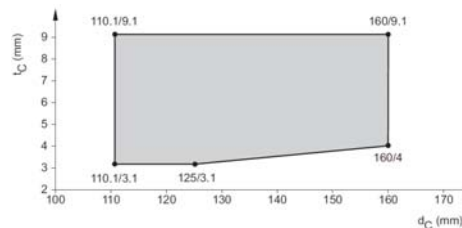
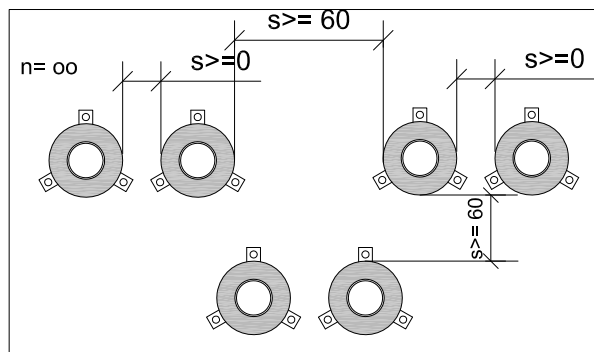
Gap with (mm)	Annular Gap Fill
0-15	Hilti Firestop Acrylic Sealant CFS-S ACR only with a depth > 25 mm on both sides of the wall
0-40	Hilti Firestop Acrylic Sealant CFS-S ACR on top side of wall only with depth > 25 mm, backfilled with mineral wool
0-40	Cementious mortar acc. EN 998-2 group M10 over the entire thickness of the wall.

Sound Insulation for rigid wall

$D_{n,w} = 58 \text{ dB}$

$R_w = 51 \text{ dB}$

\*\*) The pipe wall thickness approved can be found in this graphic





CONTENTS

Zero distance to other system

ID

WW-RW-PP-0201

FIRESTOP COLLAR ENDLESS

0201\_01

REV

00

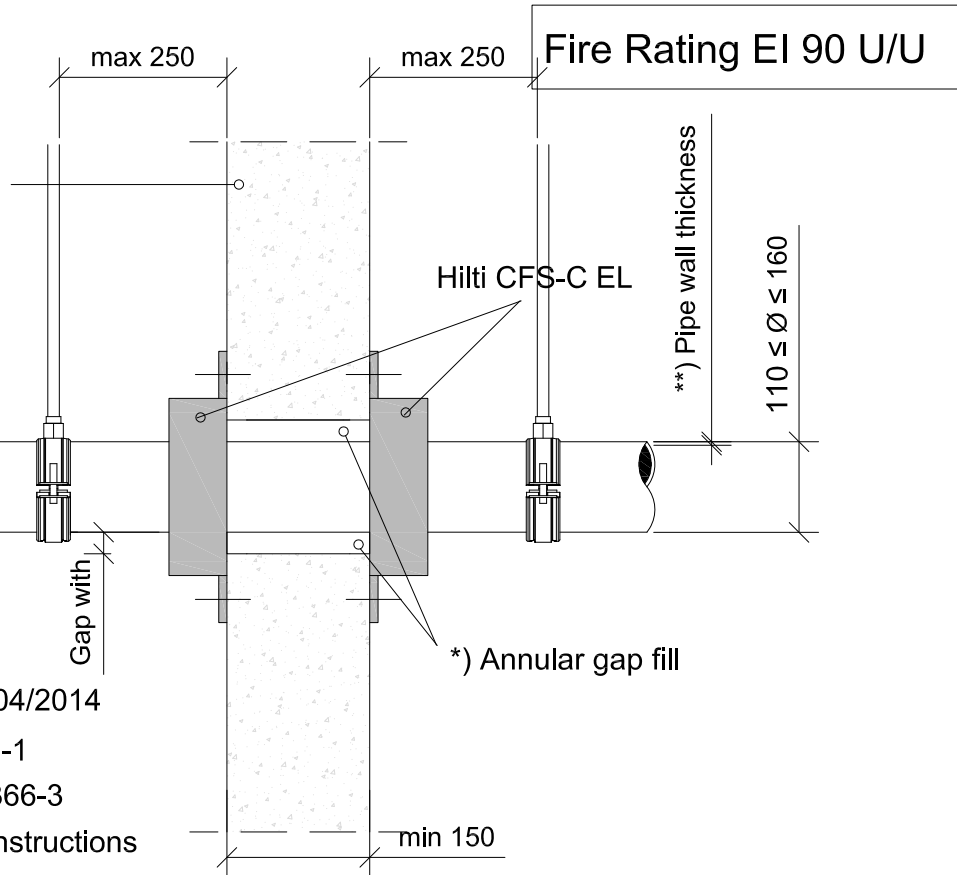
No scale

All units are in millimetres

Comprise concrete, aerated concrete, brickwork, lime malm bricks or masonry. min density of 650 kg/m<sup>3</sup>

PVC acc EN 1452-1, EN 1329-1, EN 1453-1, EN 1566-1, EN ISO 15493 and DIN 8061/62

- Approval ETA-14/0085 of 23/04/2014
- Reaction to fire acc EN 13501-1
- Fire resistance test acc EN 1366-3
- Installation according to Hilti instructions



\*) Annular gap fill material

Gap with (mm)	Annular Gap Fill
0-15	Hilti Firestop Acrylic Sealant CFS-S ACR only with a depth > 25 mm on both sides of the wall
0-40	Hilti Firestop Acrylic Sealant CFS-S ACR on top side of wall only with depth > 25 mm, backfilled with mineral wool
0-40	Cementious mortar acc. EN 998-2 group M10 over the entire thickness of the wall.

Sound Insulation for rigid wall

$$D_{n,w} = 58 \text{ dB}$$

$$R_w = 51 \text{ dB}$$

\*\*) The pipe wall thickness approved can be found in this graphic

