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

Applications pour eaux usées en contre-cloison épaisseur 50 mm et cloison épaisseur 100 mm

- Tube plastique PE droit en cloison épaisseur 100 mm — WW-FW-PP-0001
- Tube plastique PP droit en cloison épaisseur 100 mm — WW-FW-PP-0016/17
- Tube plastique PVC droit en cloison épaisseur 100 mm — WW-FW-PP-0026
- Tube plastique PE incliné en cloison épaisseur 100 mm — WW-FW-PP-0118
- Tube plastique PP incliné en cloison épaisseur 100 mm — WW-FW-PP-0121
- Tube plastique PVC incliné en cloison épaisseur 100 mm — WW-FW-PP-0122
- Tube plastique PE (sans distance avec autres systèmes, conlit ou CFS-B) en cloison épaisseur 100 mm — WW-FW-PP-0187
- Tube plastique PP (sans distance avec autres systèmes, conlit ou CFS-B) en cloison épaisseur 100 mm — WW-FW-PP-0190
- Tube plastique PVC (sans distance avec autres systèmes, conlit ou CFS-B) en cloison épaisseur 100 mm — WW-FW-PP-0191

- Tube plastique ABS et SAN+PVC droit en contre cloison épaisseur 50 mm — WW-SW-PP-0216/219/228
- Tube plastique PE/PP/PVC incliné en contre cloison épaisseur 50 mm — WW-SW-PP-0217/220/229
- Tube plastique PE/PP/PVC (sans distance avec autres systèmes, conlit ou CFS-B) en contre cloison épaisseur 50 mm — WW-SW-PP-0218/221/230

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

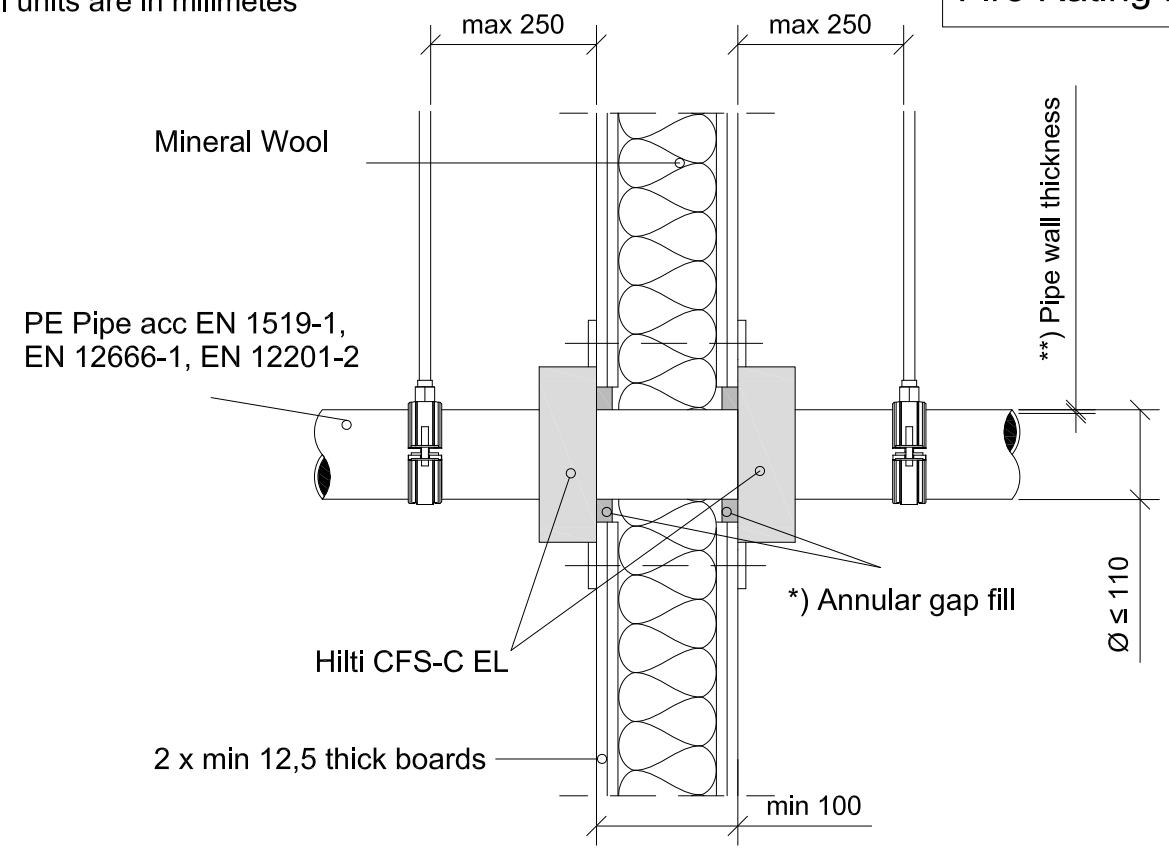
Avril 2015

	CONTENTS	ID
	Straight plastic pipe in a flexible wall	WW-FW-PP-0001
	FIRESTOP COLLAR ENDLESS	0001_01 / REV 00

No scale

All units are in milimetes

Fire Rating EI 120 U/U



*) Annular gap fill material

Gypsum based mortar	Joint filler has to be installed from both sides with depth >25 mm. A gap width 0-15 mm, backfilling is not requested
Hilti Firestop Acrylic Sealant CFS-S ACR	

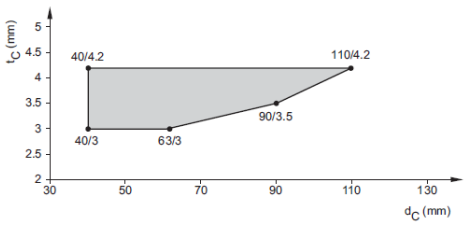
- Approval ETA-14/0085 of 23/04/2014
- Reaction to fire acc EN 13501-1
- Fire resistance test acc 1366-3
- Installation according to Hilti instructions

Sound Insulation for flexible wall

$D_{n,w}$ = 60 dB

R_w = 53 dB

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

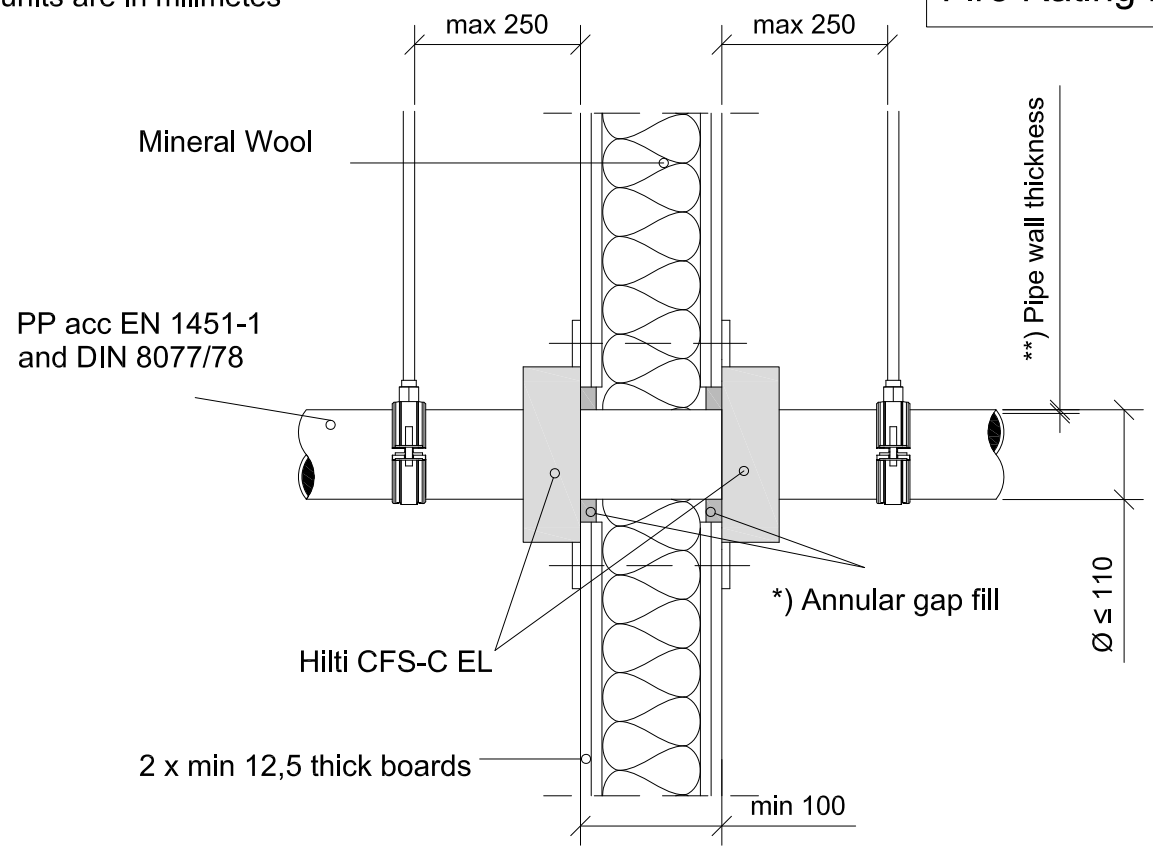


CONTENTS	ID
Straight plastic pipe in a flexible wall	WW-FW-PP-0016
FIRESTOP COLLAR ENDLESS	0016_01 / REV 00

No scale

All units are in milimetes

Fire Rating EI 120 U/U



*) Annular gap fill material

Gypsum based mortar	Joint filler has to be installed from both sides with depth >25 mm. A gap width 0-15 mm, backfilling is not requested
Hilti Firestop Acrylic Sealant CFS-S ACR	

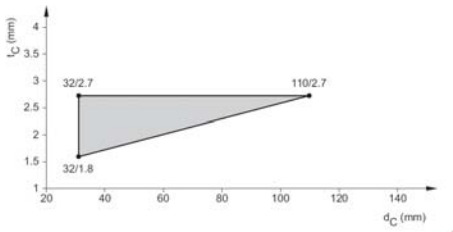
- Approval ETA-14/0085 of 23/04/2014
- Reaction to fire acc EN 13501-1
- Fire resistance test acc 1366-3
- Installation according to Hilti instructions

Sound Insulation for flexible wall

$D_{n,w}$ = 60 dB

R_w = 53 dB

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

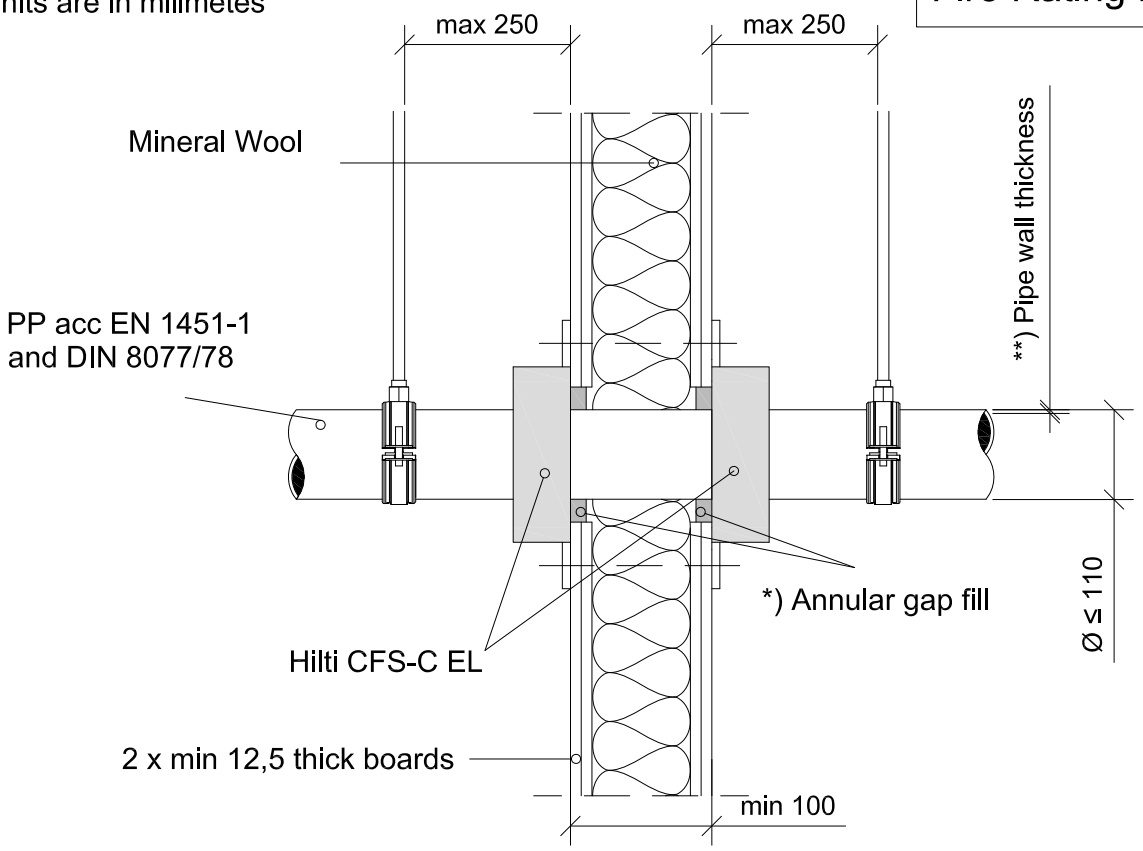


	CONTENTS	ID	
HILTI	Straight plastic pipe in a flexible wall	WW-FW-PP-0017	
	FIRESTOP COLLAR ENDLESS	0017_01	REV 00

No scale

All units are in milimetes

Fire Rating EI 120 U/C



*) Annular gap fill material

Gypsum based mortar	Joint filler has to be installed from both sides with depth >25 mm. A gap width 0-15 mm, backfilling is not requested
Hilti Firestop Acrylic Sealant CFS-S ACR	

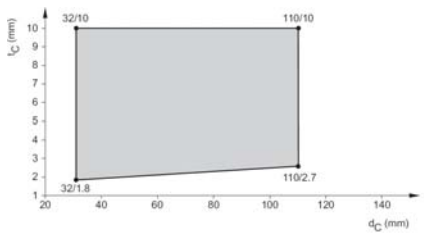
- Approval ETA-14/0085 of 23/04/2014
- Reaction to fire acc EN 13501-1
- Fire resistance test acc 1366-3
- Installation according to Hilti instructions

Sound Insulation for flexible wall

$D_{n,w}$ = 60 dB

R_w = 53 dB

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

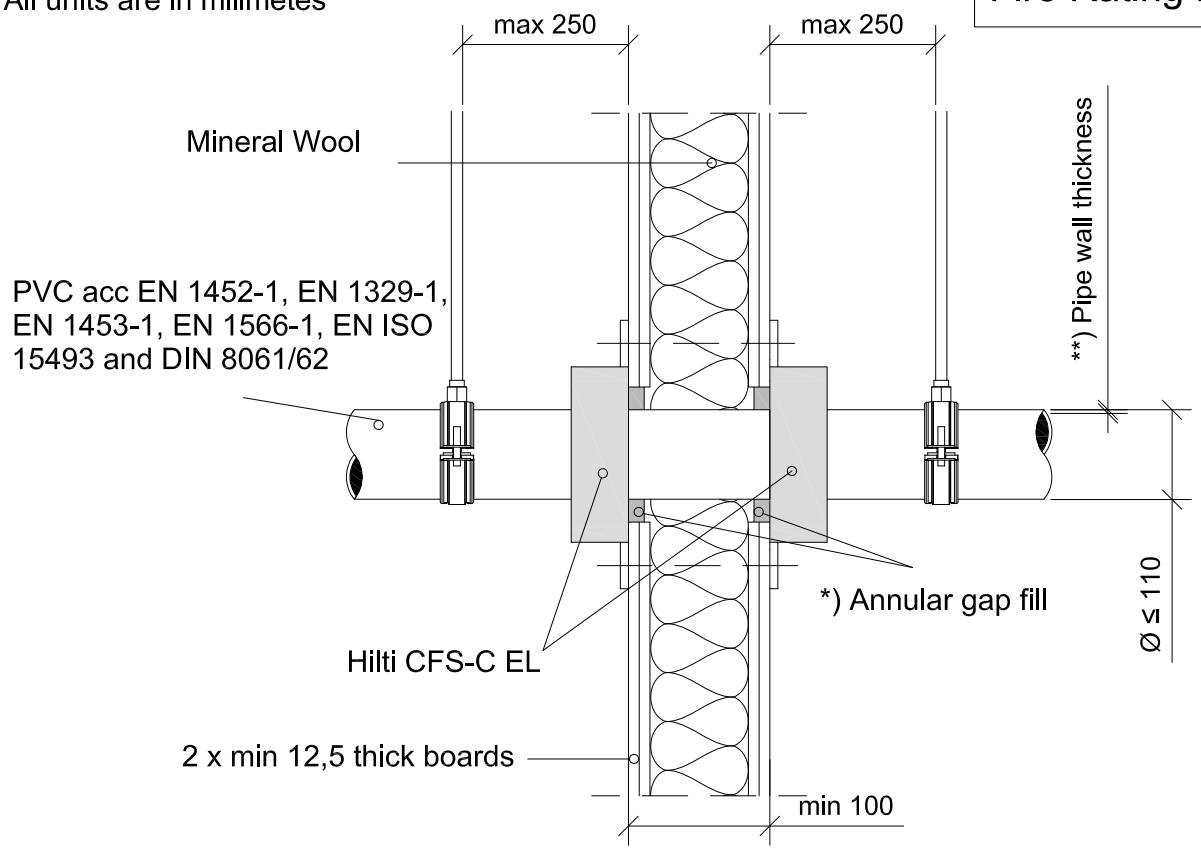


	CONTENTS	ID
	Straight plastic pipe in a flexible wall	WW-FW-PP-0026
	FIRESTOP COLLAR ENDLESS	0026_01 / REV 00

No scale

All units are in milimetes

Fire Rating EI 120 U/U



*) Annular gap fill material

Gypsum based mortar	Joint filler has to be installed from both sides with depth >25 mm. A gap width 0-15 mm, backfilling is not requested
Hilti Firestop Acrylic Sealant CFS-S ACR	

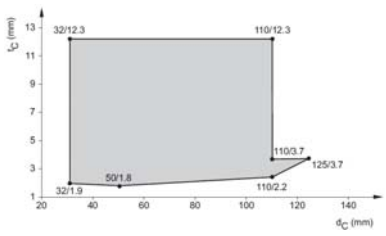
- Approval ETA-14/0085 of 23/04/2014
- Reaction to fire acc EN 13501-1
- Fire resistance test acc 1366-3
- Installation according to Hilti instructions

Sound Insulation for flexible wall

$D_{n,w}$ = 60 dB

R_w = 53 dB

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

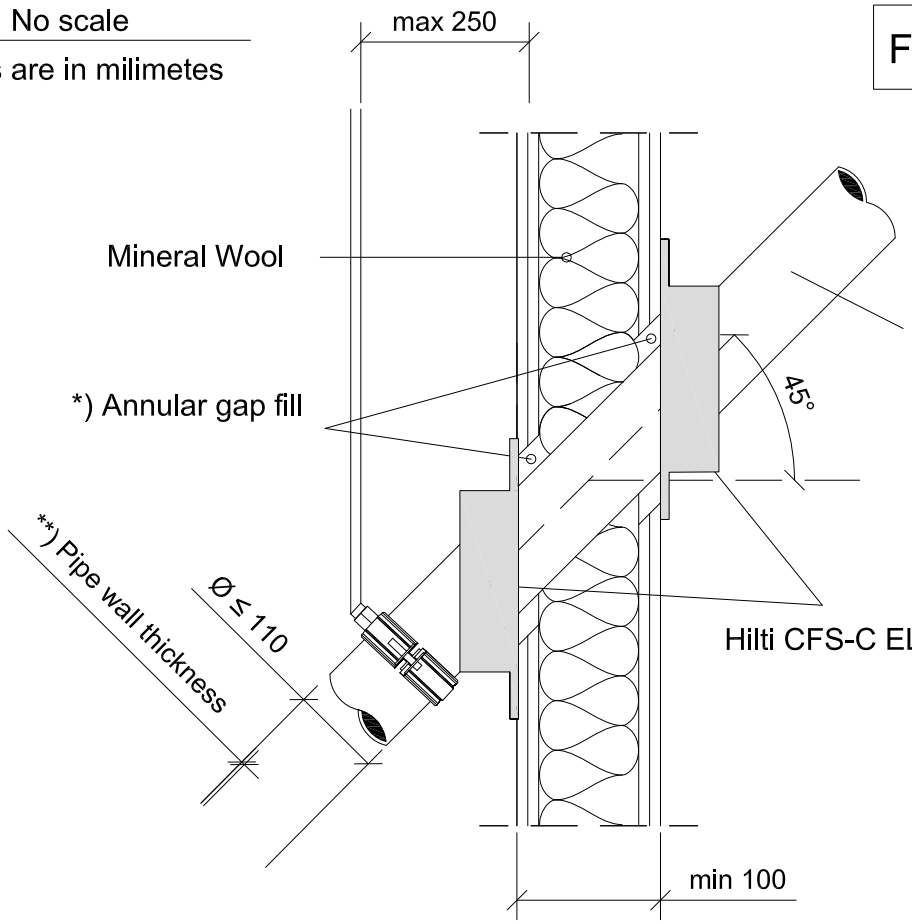


	CONTENTS	ID
	Inclined plastic pipe in a flexible wall	WW-FW-PP-0118
	FIRESTOP COLLAR ENDLESS	0118_01 / REV 00

No scale

All units are in milimetes

Fire Rating EI 90 U/U



*) Annular gap fill material

Gypsum based mortar	Joint filler has to be installed from both sides with depth >25 mm. A gap width 0-15 mm, backfilling is not requested
Hilti Firestop Acrylic Sealant CFS-S ACR	

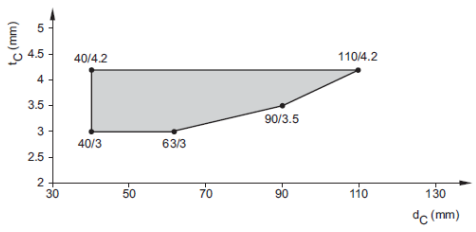
- Approval ETA-14/0085 of 23/04/2014
- Reaction to fire acc EN 13501-1
- Fire resistance test acc 1366-3
- Installation according to Hilti instructions

Sound Insulation for flexible wall

$D_{n,w}$ = 60 dB

R_w = 53 dB

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

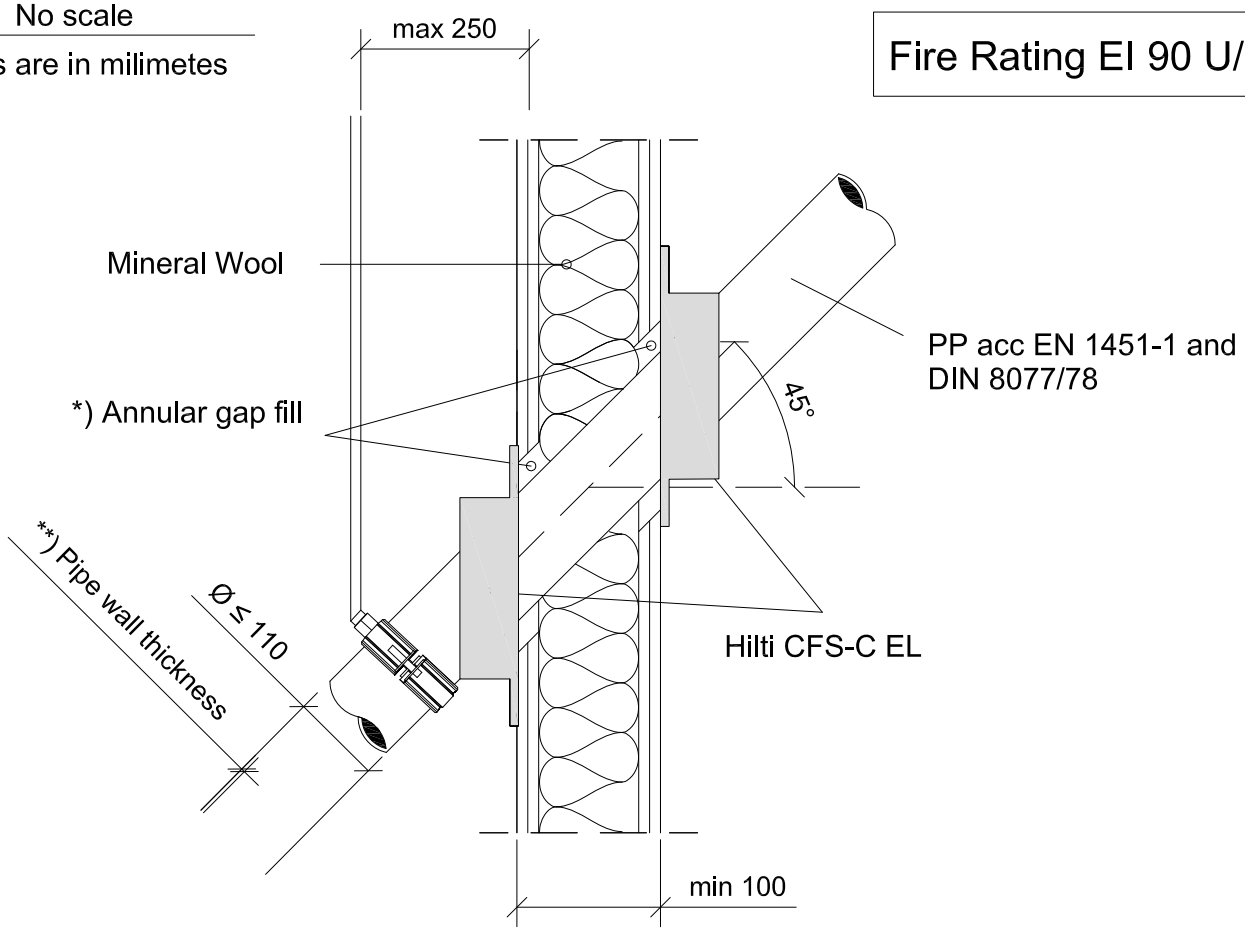


	CONTENTS	ID
	Inclined plastic pipe in a flexible wall	WW-FW-PP-0121
	FIRESTOP COLLAR ENDLESS	0121_01 / REV 00

No scale

All units are in milimetes

Fire Rating EI 90 U/U



*) Annular gap fill material

Gypsum based mortar	Joint filler has to be installed from both sides with depth >25 mm. A gap width 0-15 mm, backfilling is not requested
Hilti Firestop Acrylic Sealant CFS-S ACR	

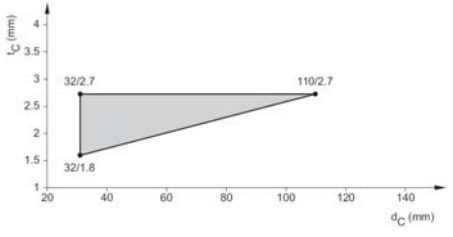
- Approval ETA-14/0085 of 23/04/2014
- Reaction to fire acc EN 13501-1
- Fire resistance test acc 1366-3
- Installation according to Hilti instructions

Sound Insulation for flexible wall

$D_{n,w}$ = 60 dB

R_w = 53 dB

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

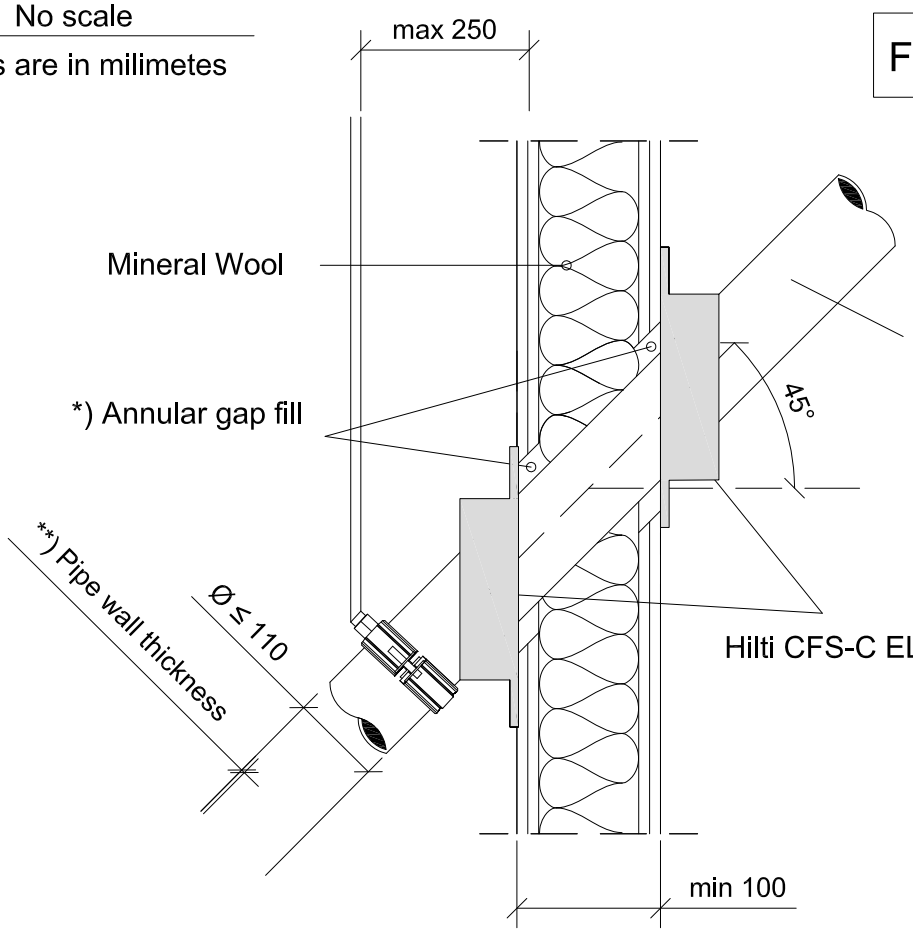


	CONTENTS	ID	
	Inclined plastic pipe in a flexible wall	WW-FW-PP-0122	
	FIRESTOP COLLAR ENDLESS	0122_01	REV 00

No scale

All units are in milimetes

Fire Rating EI 90 U/U



*) Annular gap fill material

Gypsum based mortar	Joint filler has to be installed from both sides with depth >25 mm. A gap width 0-15 mm, backfilling is not requested
Hilti Firestop Acrylic Sealant CFS-S ACR	

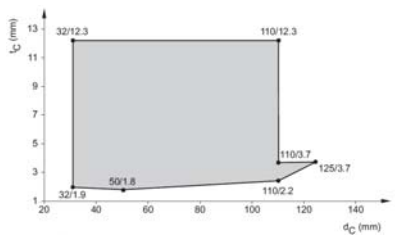
- Approval ETA-14/0085 of 23/04/2014
- Reaction to fire acc EN 13501-1
- Fire resistance test acc 1366-3
- Installation according to Hilti instructions

Sound Insulation for flexible wall

$D_{n,w}$ = 60 dB

R_w = 53 dB

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

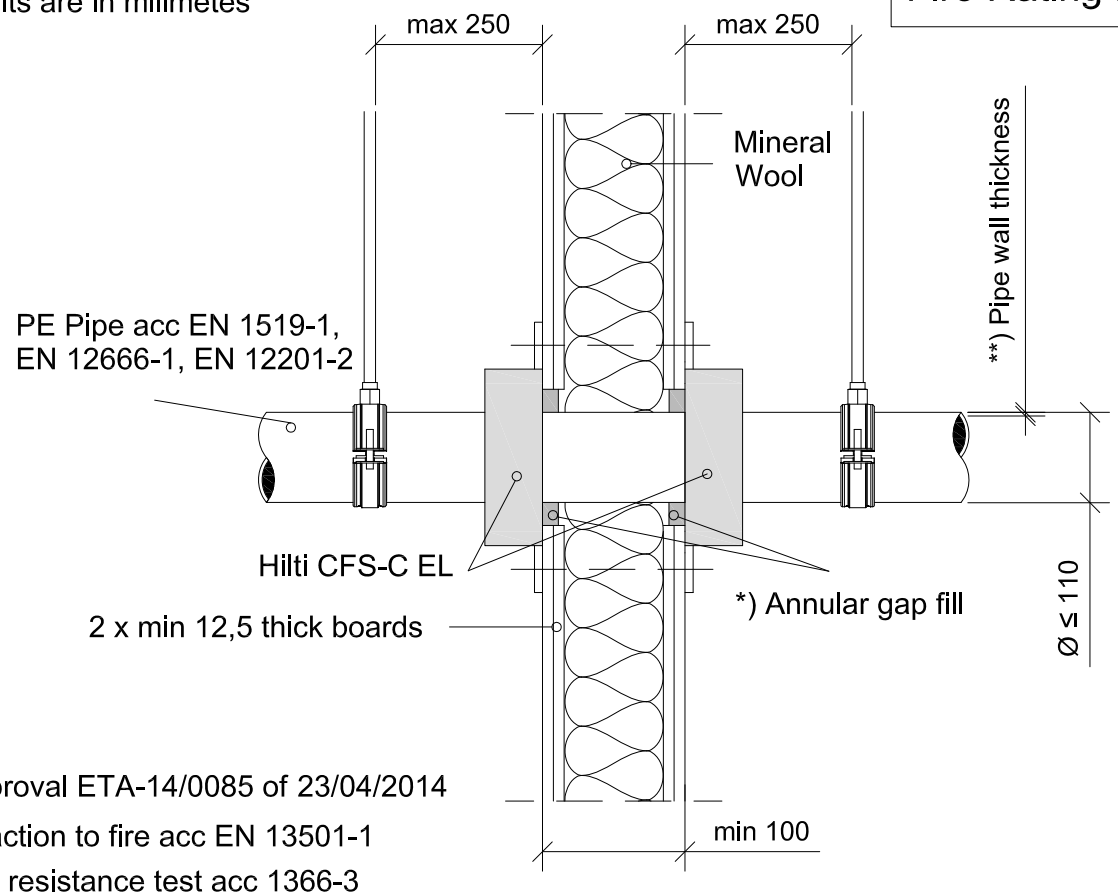


CONTENTS	ID
Zero distance to other system, Conlit or CFS-B	WW-FW-PP-0187
FIRESTOP COLLAR ENDLESS	0187_01 / REV 00

No scale

All units are in milimetes

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 1366-3
- Installation according to Hilti instructions

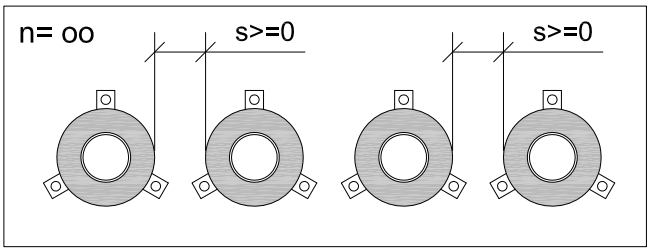
*) Annular gap fill material

Gypsum based mortar	Joint filler has to be installed from both sides with depth >25 mm. A gap width 0-15 mm, backfilling is not requested
Hilti Firestop Acrylic Sealant CFS-S ACR	

Sound Insulation for flexible wall

$D_{n,w}$ = 60 dB

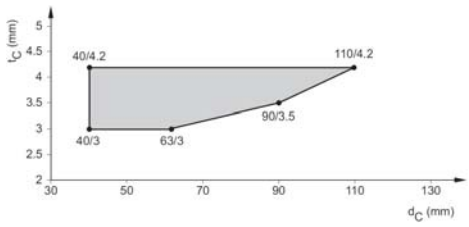
R_w = 53 dB



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

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



CONTENTS

Zero distance to other system, Conlit or CFS-B

ID

WW-FW-PP-0190

FIRESTOP COLLAR ENDLESS

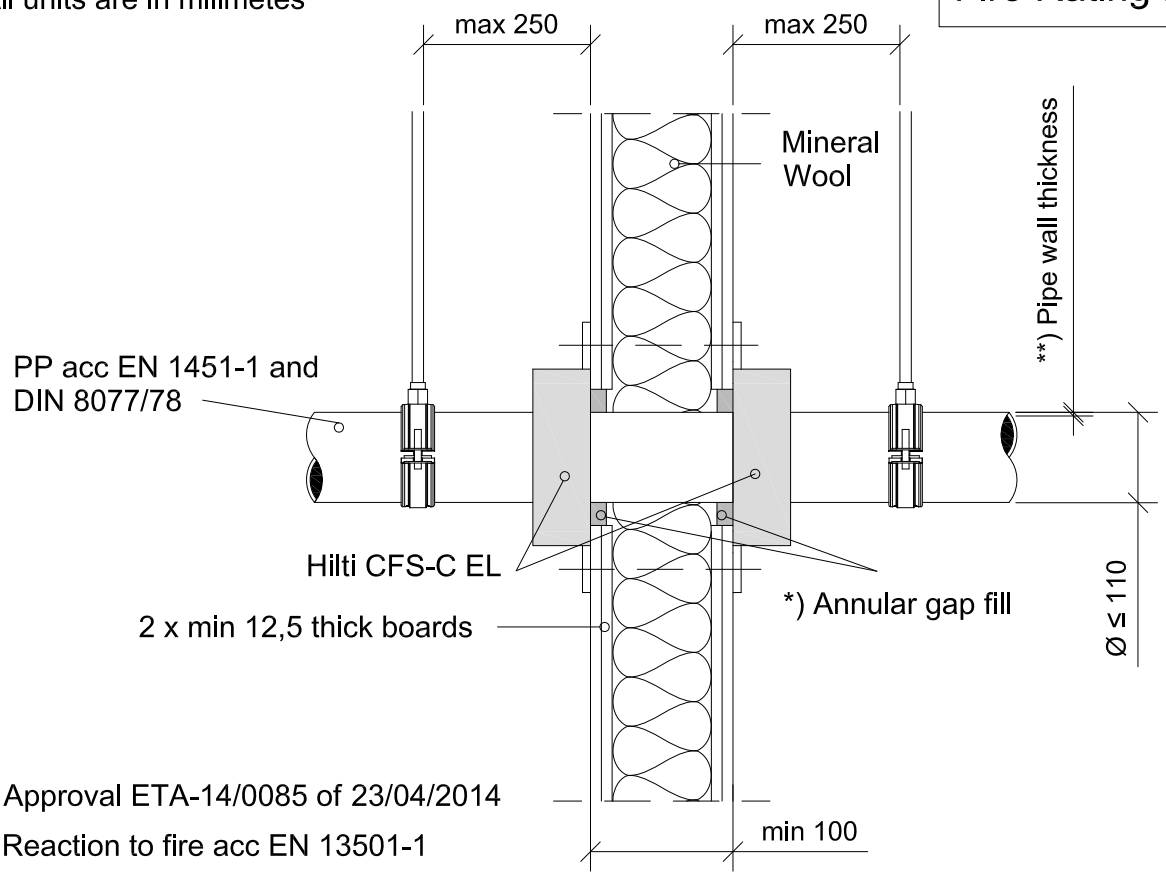
0190_01

REV 00

No scale

All units are in milimetes

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 1366-3
- Installation according to Hilti instructions

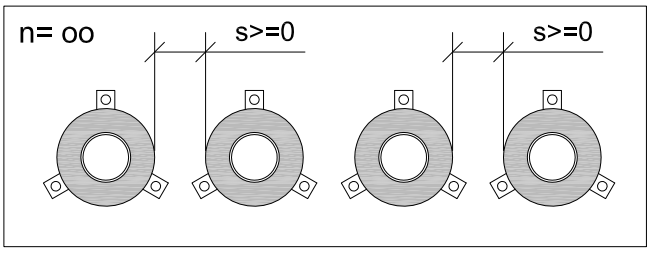
*) Annular gap fill material

Gypsum based mortar Hilti Firestop Acrylic Sealant CFS-S ACR	Joint filler has to be installed from both sides with depth >25 mm. A gap width 0-15 mm, backfilling is not requested

Sound Insulation for flexible wall

$D_{n,w}$ = 60 dB

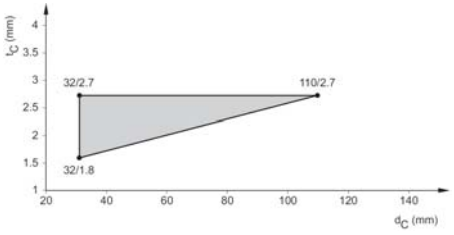
R_w = 53 dB



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

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



CONTENTS

Zero distance to other system, Conlit or CFS-B

ID

WW-FW-PP-0191

FIRESTOP COLLAR ENDLESS

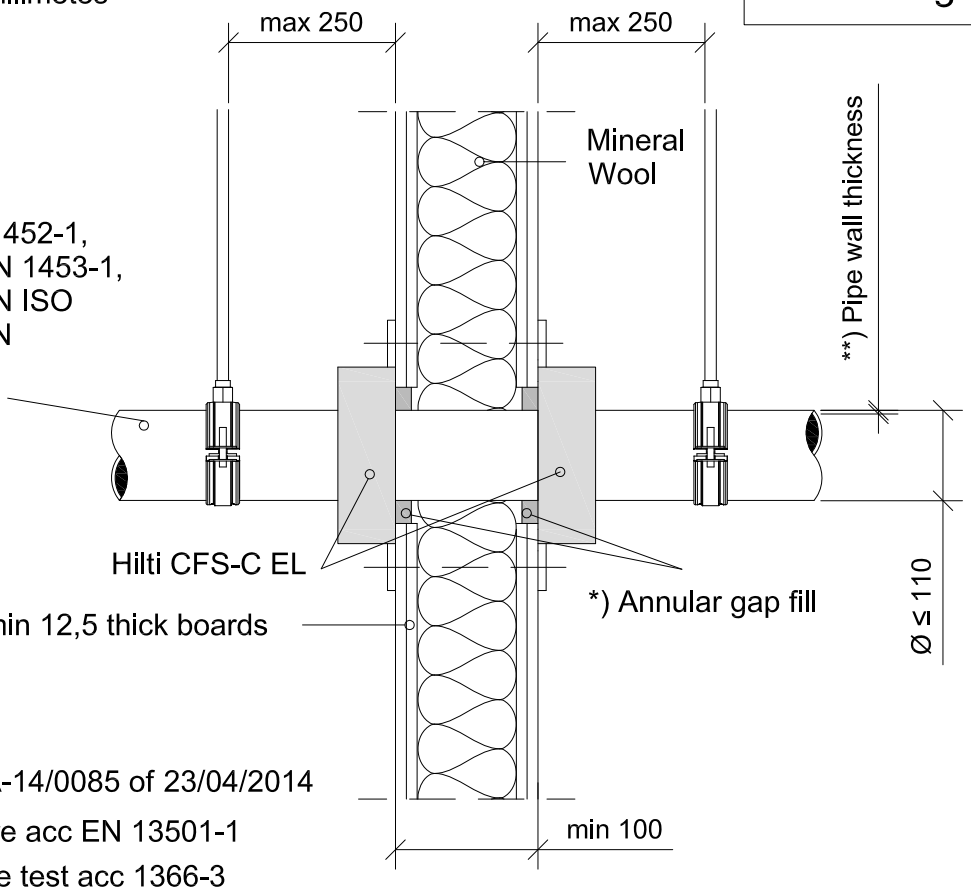
0191_01

REV 00

No scale

All units are in milimetes

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 1366-3
- Installation according to Hilti instructions

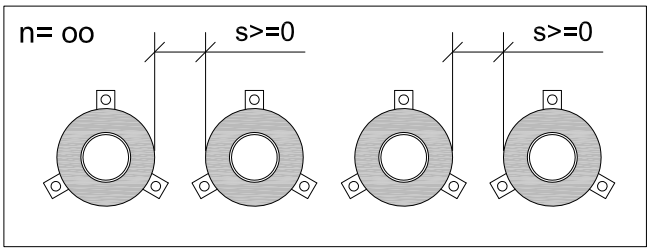
*) Annular gap fill material

Gypsum based mortar	Joint filler has to be installed from both sides with depth >25 mm. A gap width 0-15 mm, backfilling is not requested
Hilti Firestop Acrylic Sealant CFS-S ACR	

Sound Insulation for flexible wall

$D_{n,w}$ = 60 dB

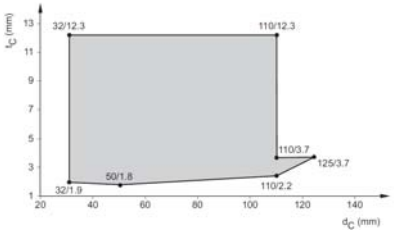
R_w = 53 dB



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

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

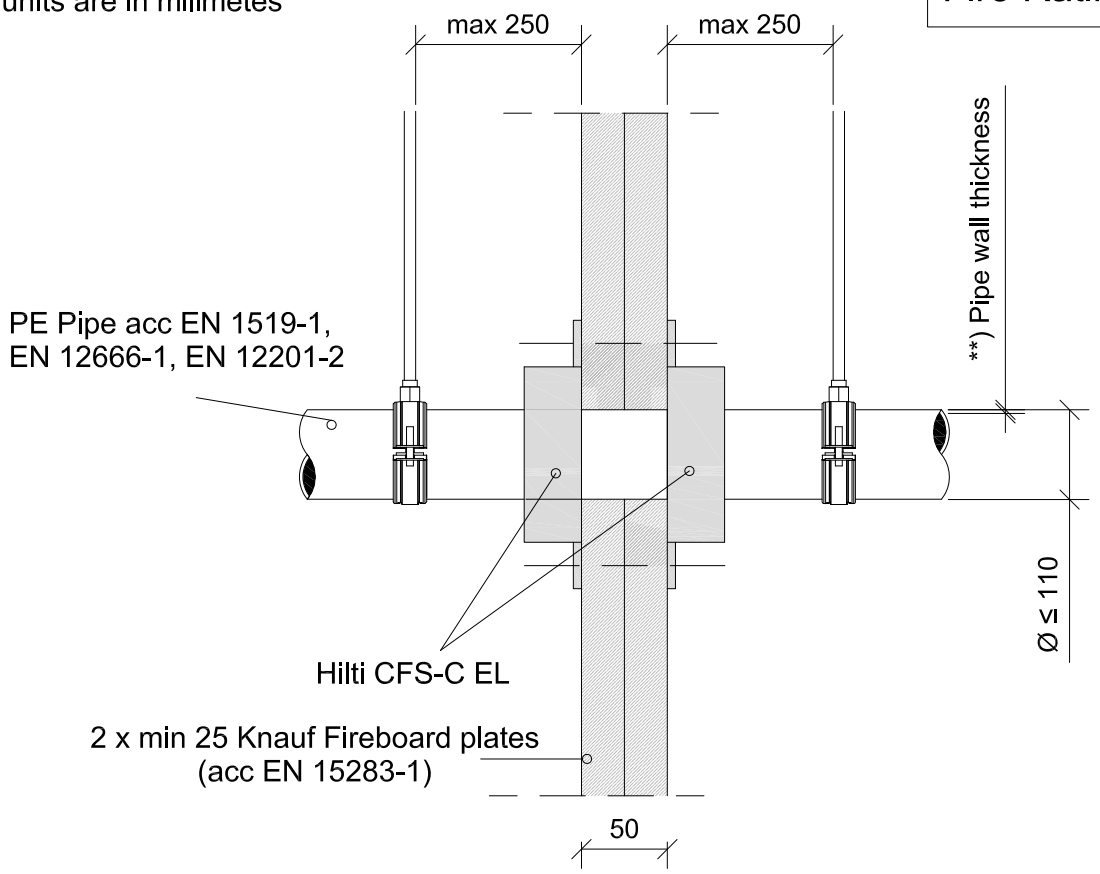


	CONTENTS	ID
	Straight plastic pipe in a shaft wall	WW-SW-PP-0216
	FIRESTOP COLLAR ENDLESS	0216_01 / REV 00

No scale

All units are in milimetes

Fire Rating EI 90 U/U



Annular gap fill material

Hilti Firestop Filler CFS-FIL	The annular gap should be 5-40 mm applied from one side over the entire thickness of the wall.

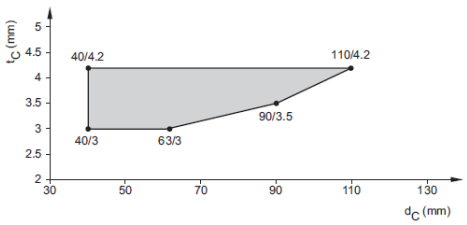
- Approval ETA-14/0085 of 23/04/2014
- Reaction to fire acc EN 13501-1
- Fire resistance test acc 1366-3
- Installation according to Hilti instructions

Sound Insulation for flexible wall

$D_{n,w}$ = 60 dB

R_w = 53 dB

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

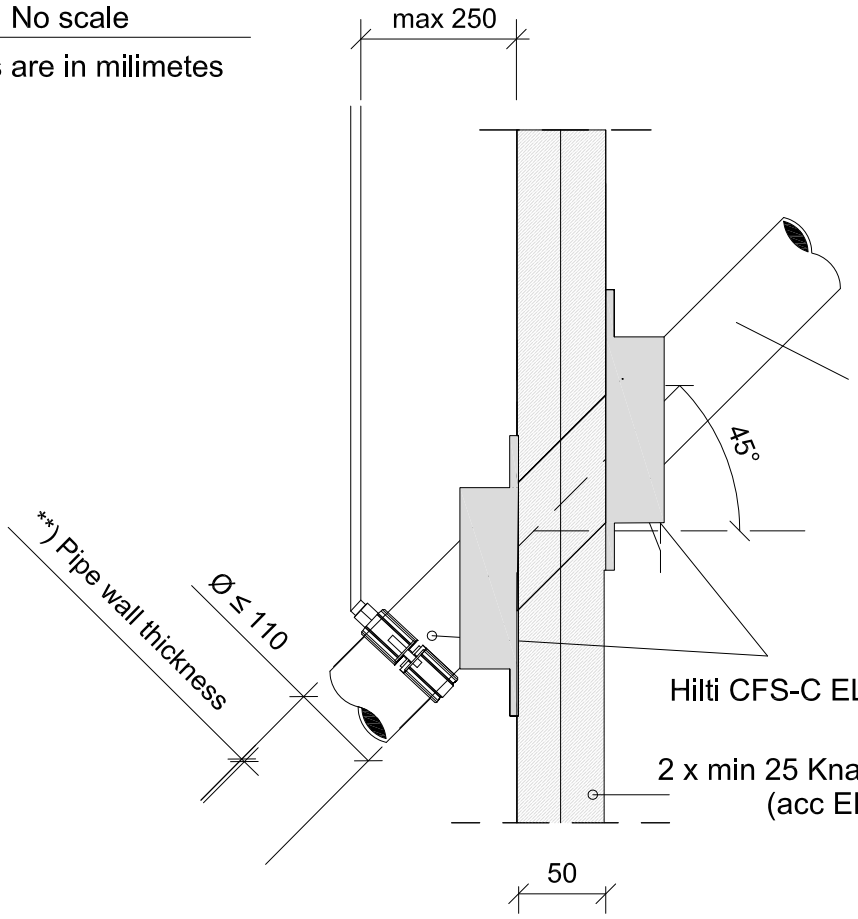


	CONTENTS	ID	
	Inclined plastic pipe in a shaft wall	WW-SW-PP-0217	
	FIRESTOP COLLAR ENDLESS	0217_01	REV 00

No scale

All units are in milimetes

Fire Rating EI 90 U/U



Annular gap fill material

Hilti Firestop Filler CFS-FIL	The annular gap should be 5-40 mm applied from one side over the entire thickness of the wall.

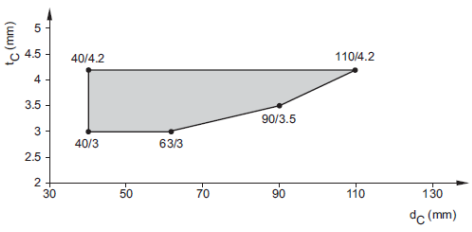
- Approval ETA-14/0085 of 23/04/2014
- Reaction to fire acc EN 13501-1
- Fire resistance test acc 1366-3
- Installation according to Hilti instructions

Sound Insulation for flexible wall

$D_{n,w}$ = 60 dB

R_w = 53 dB

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

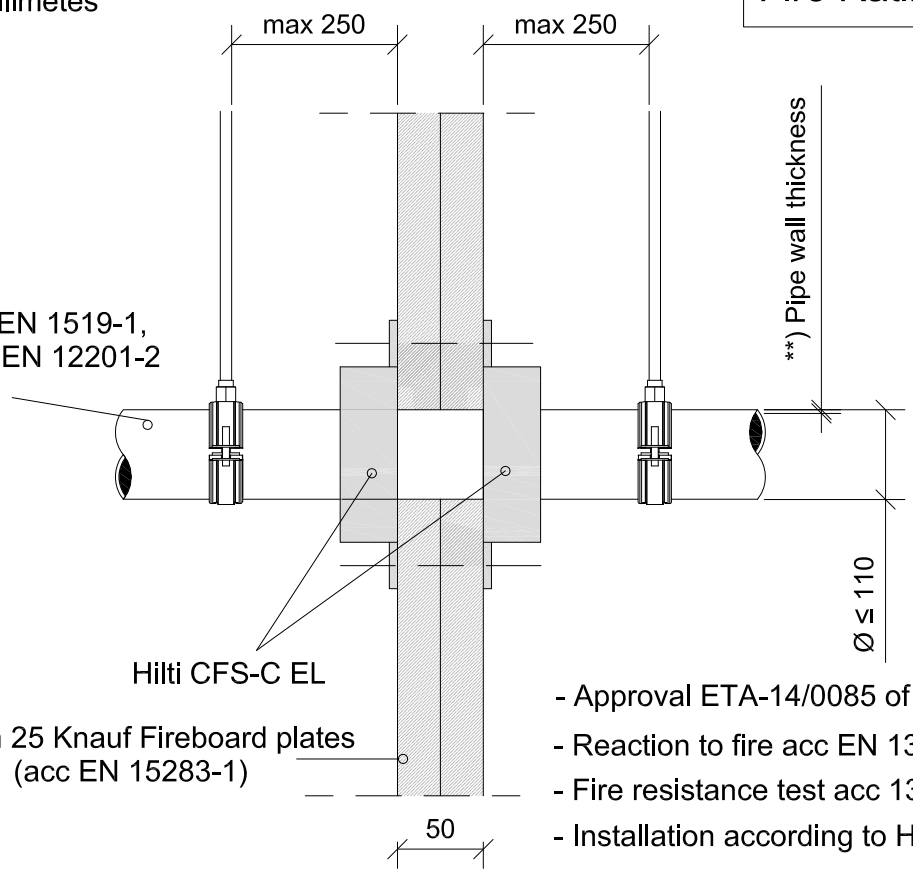


	CONTENTS	ID	
HILTI	Zero distance to other system, Conlit or CFS-B	WW-SW-PP-0218	
	FIRESTOP COLLAR ENDLESS	0218_01	REV 00

No scale

All units are in milimetes

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 1366-3
- Installation according to Hilti instructions

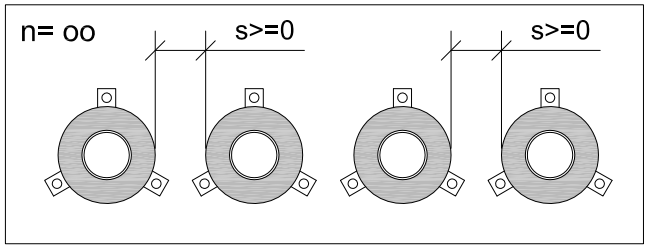
Annular gap fill material

Hilti Firestop Filler CFS-FIL	The annular gap should be 5-40 mm applied from one side over the entire thickness of the wall.

Sound Insulation for flexible wall

$D_{n,w}$ = 60 dB

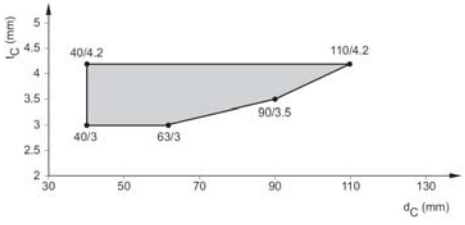
R_w = 53 dB



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

Plpes 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
Incombustlble thermal insulation, based on mineral wool (combustibility class A1 or A2 in acc EN 13501	- Conllt 150 Inslde the wall/floor only wlth Insulatlon thickness (td>19 mm) - Rockwool 800, covering the metal pipe outside the wall/floor with Insulation thickness td> 20 mm

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

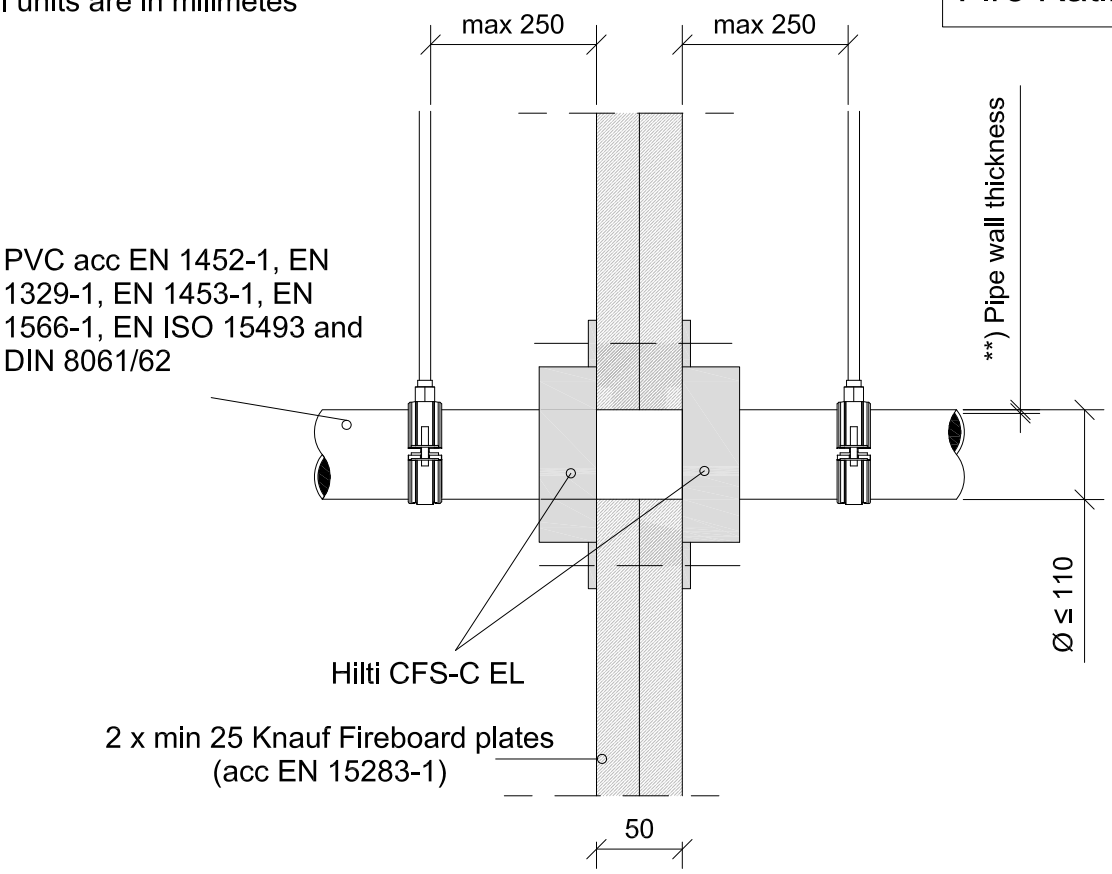


	CONTENTS	ID
	Straight plastic pipe in a shaft wall	WW-SW-PP-0219
	FIRESTOP COLLAR ENDLESS	0219_01 / REV 00

No scale

All units are in milimetes

Fire Rating EI 90 U/U



Annular gap fill material

Hilti Firestop Filler CFS-FIL	The annular gap should be 5-40 mm applied from one side over the entire thickness of the wall.

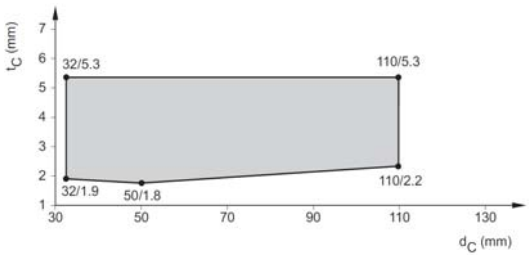
- Approval ETA-14/0085 of 23/04/2014
- Reaction to fire acc EN 13501-1
- Fire resistance test acc 1366-3
- Installation according to Hilti instructions

Sound Insulation for flexible wall

$D_{n,w}$ = 60 dB

R_w = 53 dB

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

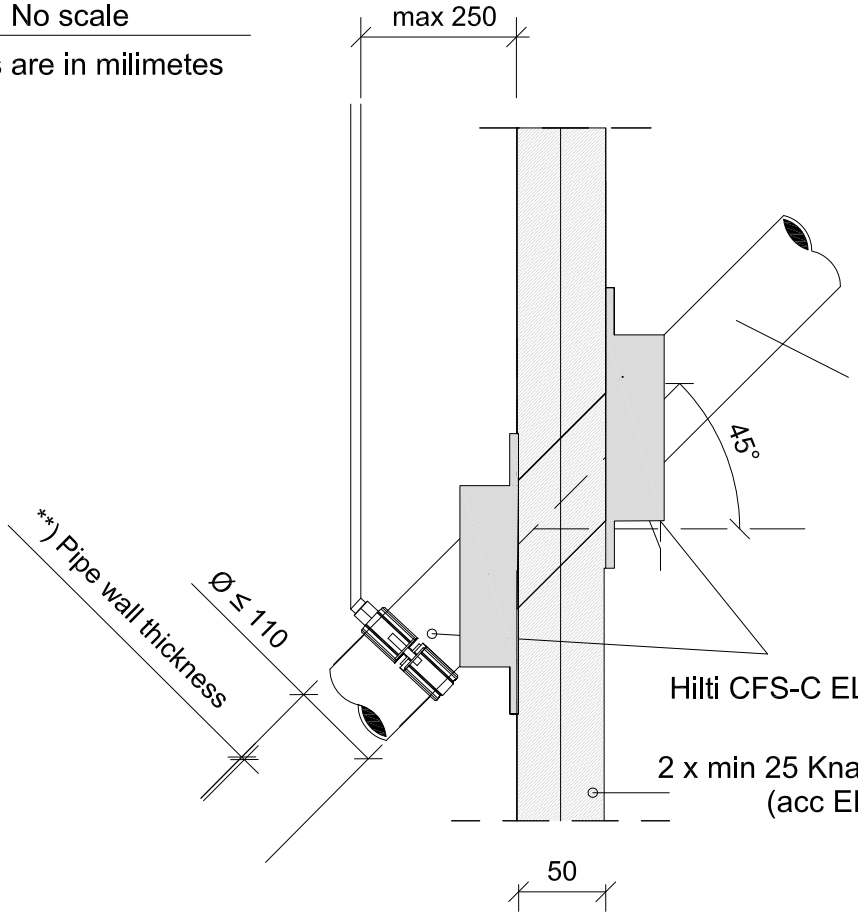


	CONTENTS	ID	
HILTI	Inclined plastic pipe in a shaft wall	WW-SW-PP-0220	
	FIRESTOP COLLAR ENDLESS	0220_01	REV 00

No scale

All units are in milimetes

Fire Rating EI 90 U/U



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

Hilti CFS-C EL

2 x min 25 Knauf Fireboard plates (acc EN 15283-1)

Annular gap fill material

Hilti Firestop Filler CFS-FIL	The annular gap should be 5-40 mm applied from one side over the entire thickness of the wall.

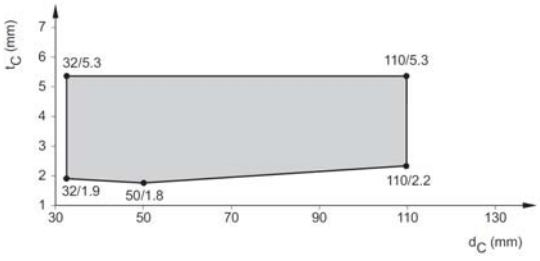
- Approval ETA-14/0085 of 23/04/2014
- Reaction to fire acc EN 13501-1
- Fire resistance test acc 1366-3
- Installation according to Hilti instructions

Sound Insulation for flexible wall

$D_{n,w}$ = 60 dB

R_w = 53 dB

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

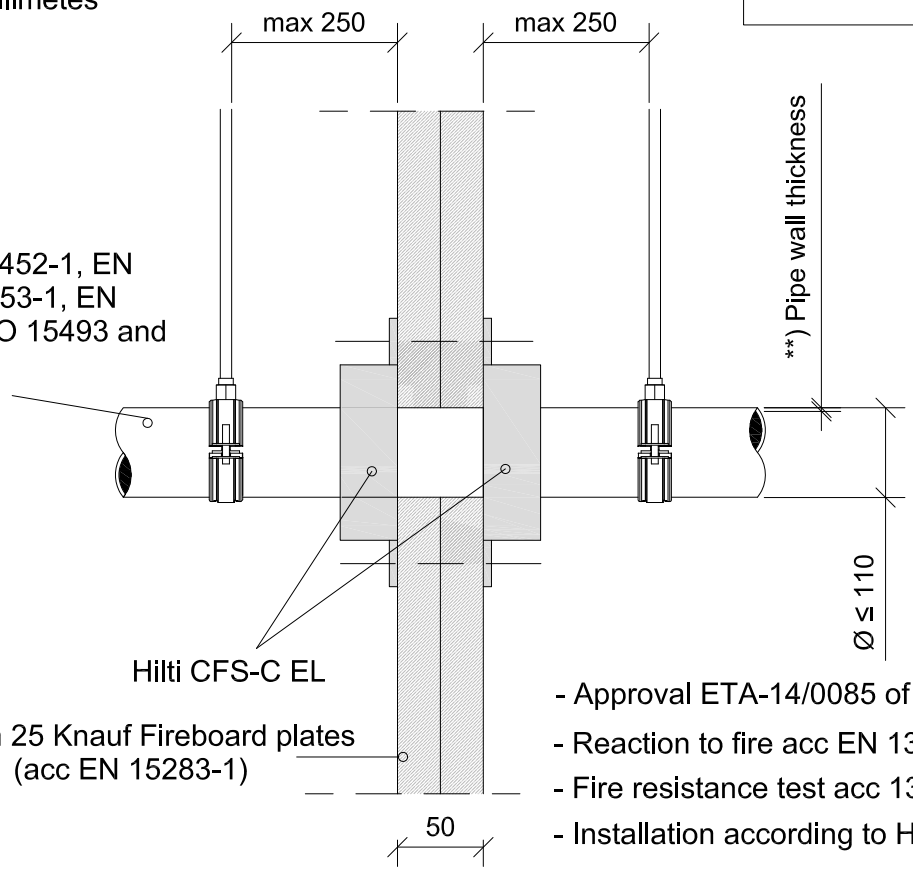


	CONTENTS	ID	
HILTI	Zero distance to other system, Conlit or CFS-B	WW-SW-PP-0221	
	FIRESTOP COLLAR ENDLESS	0221_01	REV 00

No scale

All units are in milimetes

Fire Rating EI 90 U/U



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 1366-3
- Installation according to Hilti instructions

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

Plpes 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
Incombustlble thermal insulation, based on mineral wool (combustibility class A1 or A2 in acc EN 13501	- Conllt 150 Inslde the wall/floor only wlth Insulatlon thickness (td>19 mm) - Rockwool 800, covering the metal pipe outside the wall/floor with Insulation thickness td> 20 mm

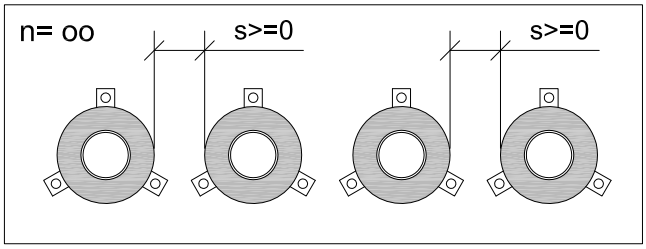
Annular gap fill material

Hilti Firestop Filler CFS-FIL	The annular gap should be 5-40 mm applled from one slde over the entire thickness of the wall.

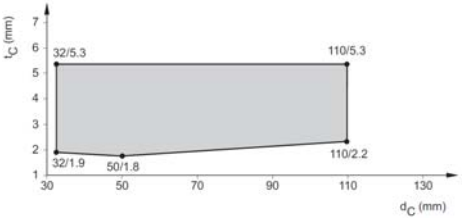
Sound Insulation for flexible wall

$D_{n,w}$ = 60 dB

R_w = 53 dB



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

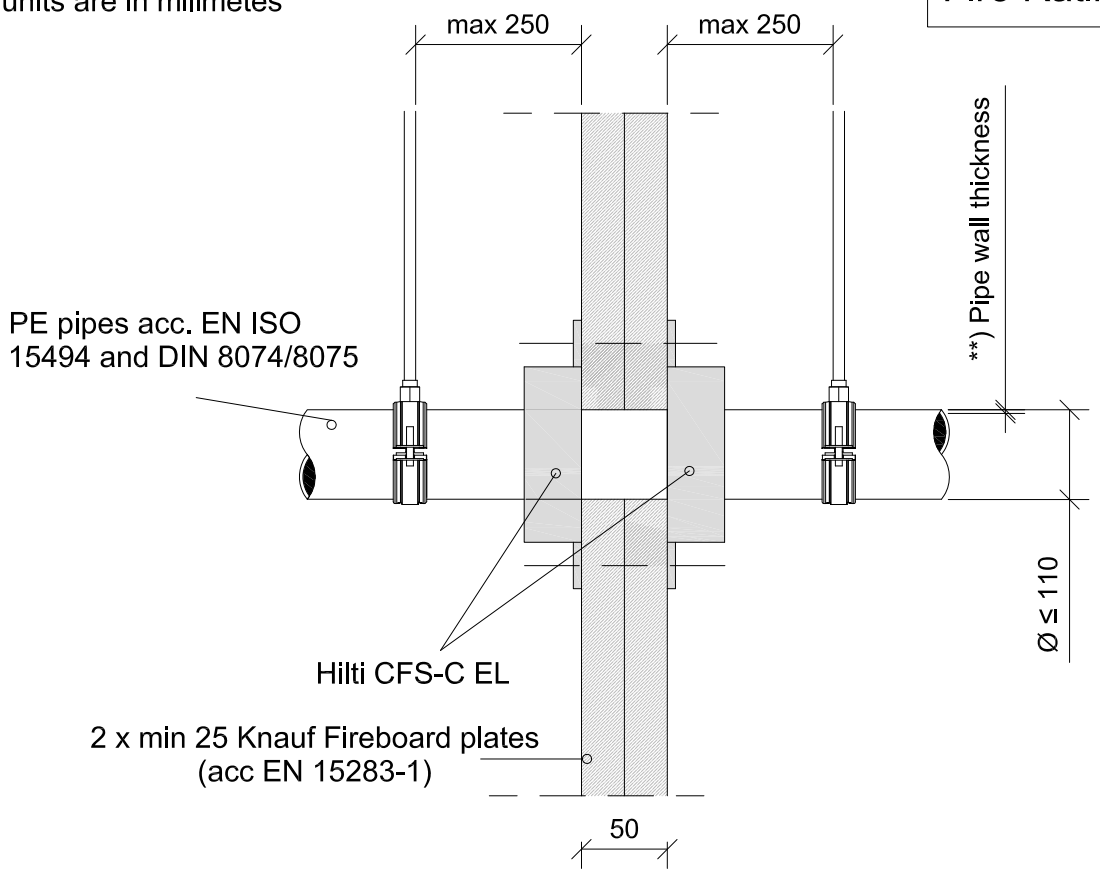


	CONTENTS	ID
	Straight plastic pipe in a shaft wall	WW-SW-PP-0228
	FIRESTOP COLLAR ENDLESS	0228_01 / REV 00

No scale

All units are in milimetes

Fire Rating EI 90 U/U



Annular gap fill material

Hilti Firestop Filler CFS-FIL	The annular gap should be 5-40 mm applied from one side over the entire thickness of the wall.

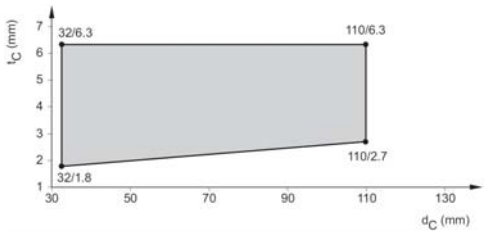
- Approval ETA-14/0085 of 23/04/2014
- Reaction to fire acc EN 13501-1
- Fire resistance test acc 1366-3
- Installation according to Hilti instructions

Sound Insulation for flexible wall

$D_{n,w}$ = 60 dB

R_w = 53 dB

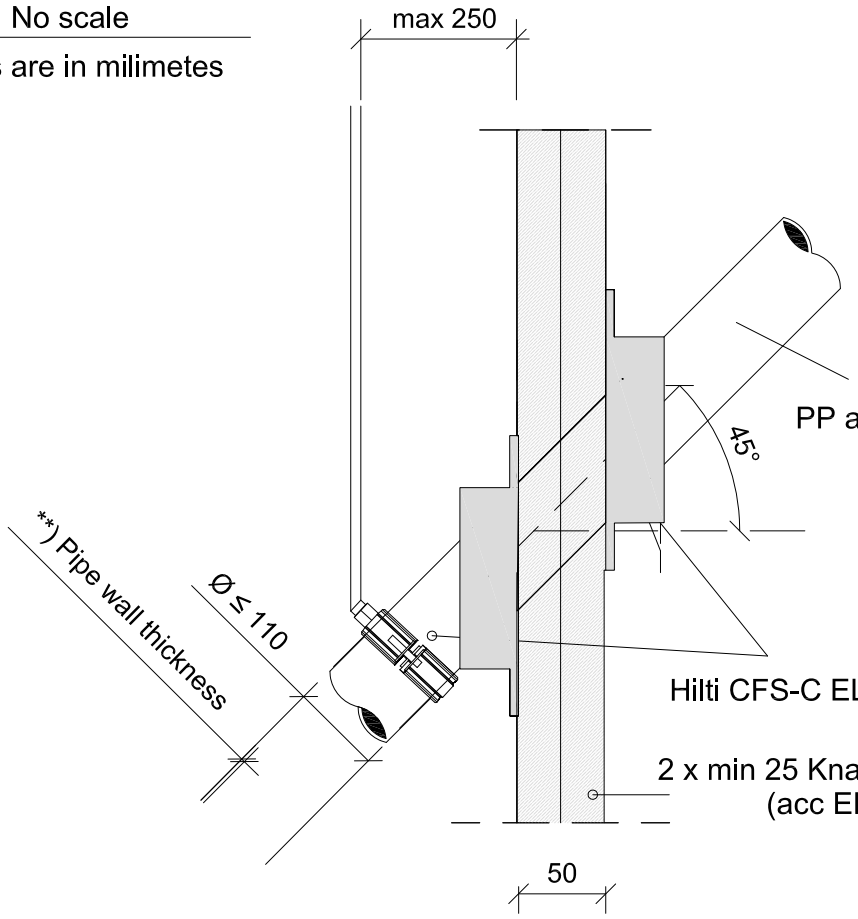
**) The pipe wall thickness approved can be found in this graphic



	CONTENTS	ID	
	Inclined plastic pipe in a shaft wall	WW-SW-PP-0229	
	FIRESTOP COLLAR ENDLESS	0229_01	REV 00

No scale

All units are in milimetes



Fire Rating EI 90 U/U

PP acc EN 1451-1 and DIN 8077/78

Hilti CFS-C EL

2 x min 25 Knauf Fireboard plates
(acc EN 15283-1)

Annular gap fill material

Hilti Firestop Filler CFS-FIL	The annular gap should be 5-40 mm applied from one side over the entire thickness of the wall.

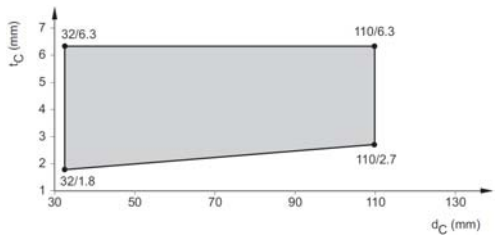
- Approval ETA-14/0085 of 23/04/2014
- Reaction to fire acc EN 13501-1
- Fire resistance test acc 1366-3
- Installation according to Hilti instructions

Sound Insulation for flexible wall

$D_{n,w}$ = 60 dB

R_w = 53 dB

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

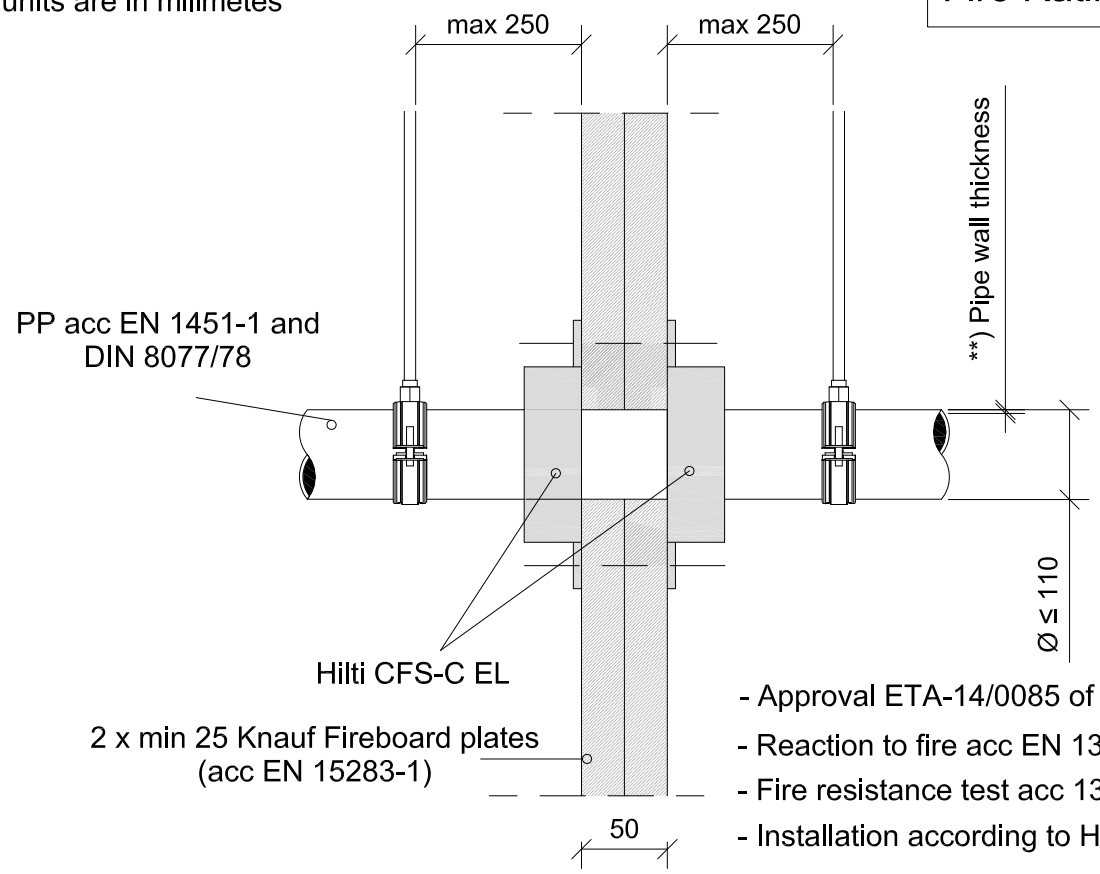


	CONTENTS	ID	
HILTI	Zero distance to other system, Conlit or CFS-B	WW-SW-PP-0230	
	FIRESTOP COLLAR ENDLESS	0230_01	REV 00

No scale

All units are in milimetes

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 1366-3
- Installation according to Hilti instructions

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

Plpes 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
Incombustlble thermal insulation, based on mineral wool (combustibility class A1 or A2 in acc EN 13501	- Conllt 150 Inslde the wall/floor only wlth Insulatlon thickness (td>19 mm) - Rockwool 800, covering the metal pipe outside the wall/floor with Insulation thickness td> 20 mm

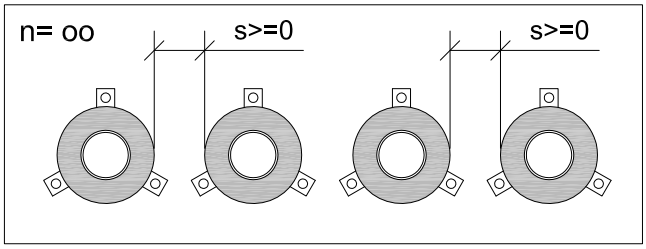
Annular gap fill material

Hilti Firestop Filler CFS-FIL	The annular gap should be 5-40 mm applled from one slde over the entire thickness of the wall.

Sound Insulation for flexible wall

$D_{n,w}$ = 60 dB

R_w = 53 dB



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