

Schémas d'applications pour le mastic coupe-feu acrylique CFS-S ACR



Applications de chauffage

- Tube cuivre en cloison épaisseur 100 mm mini HEAT-FW-MP-0001-4
- Tube cuivre en voile rigide épaisseur 100 mm mini HEAT-RW-MP-0011/12/15/16
- Tube cuivre en dalle rigide épaisseur 150 mm mini HEAT-RF-MP-0018-21/24/25
- Tube acier en cloison épaisseur 100 mm mini HEAT-FW-MP-0027/28/32/33
- Tube acier en voile rigide épaisseur 100 mm mini HEAT-RW-MP-0035/36/38/39
- Tube acier en dalle rigide épaisseur 150 mm mini HEAT-RF-MP-0044-47/50/51

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



CONTENTS

Metal Pipe in a flexible wall

ID

HEAT-FW-MP-0001

FIRESTOP ACRYLIC SEALANT

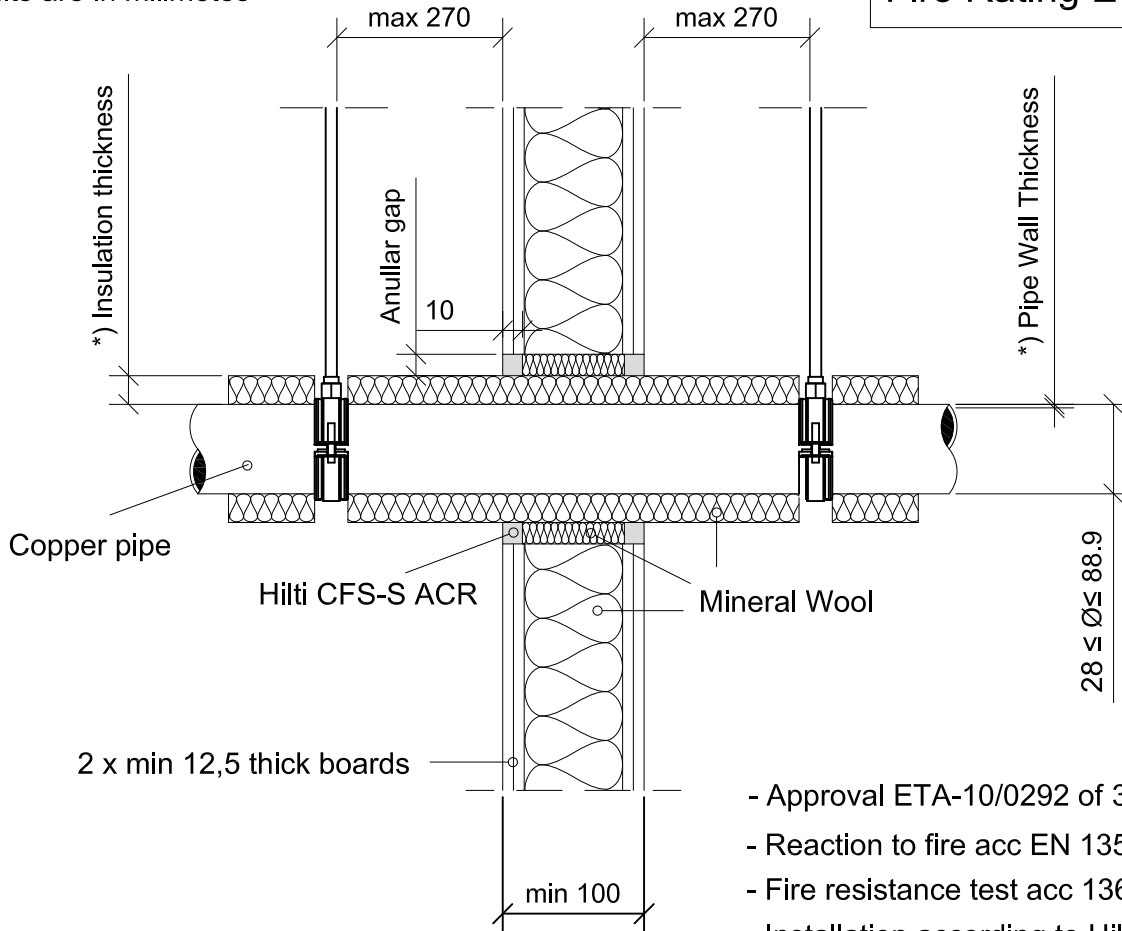
0001_01

REV
00

No scale

All units are in millimetres

Fire Rating EI 120 C/U



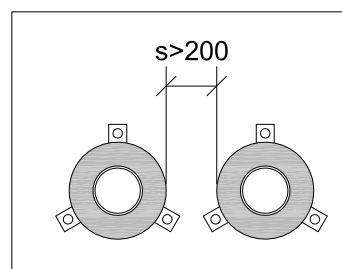
*) Pipe wall thickness and insulation

| Pipe Ø | Pipe Wall Thickness | Insulation Thickness | Other criteria description |
|---------|---------------------|----------------------|-------------------------------------|
| 28-42 | 1.0/1.5-14.2 | ≥ 20 | Interrupted or sustained insulation |
| 42-88.9 | 1.5/2.0-14.2 | ≥ 40 | Interrupted |

Sound Insulation for flexible wall

$$D_{n,w} = 53 \text{ dB}$$

$$R_w = 60 \text{ dB}$$



Minimum distance between seals



CONTENTS

Metal Pipe in a flexible wall

ID

HEAT-FW-MP-0002

FIRESTOP ACRYLIC SEALANT

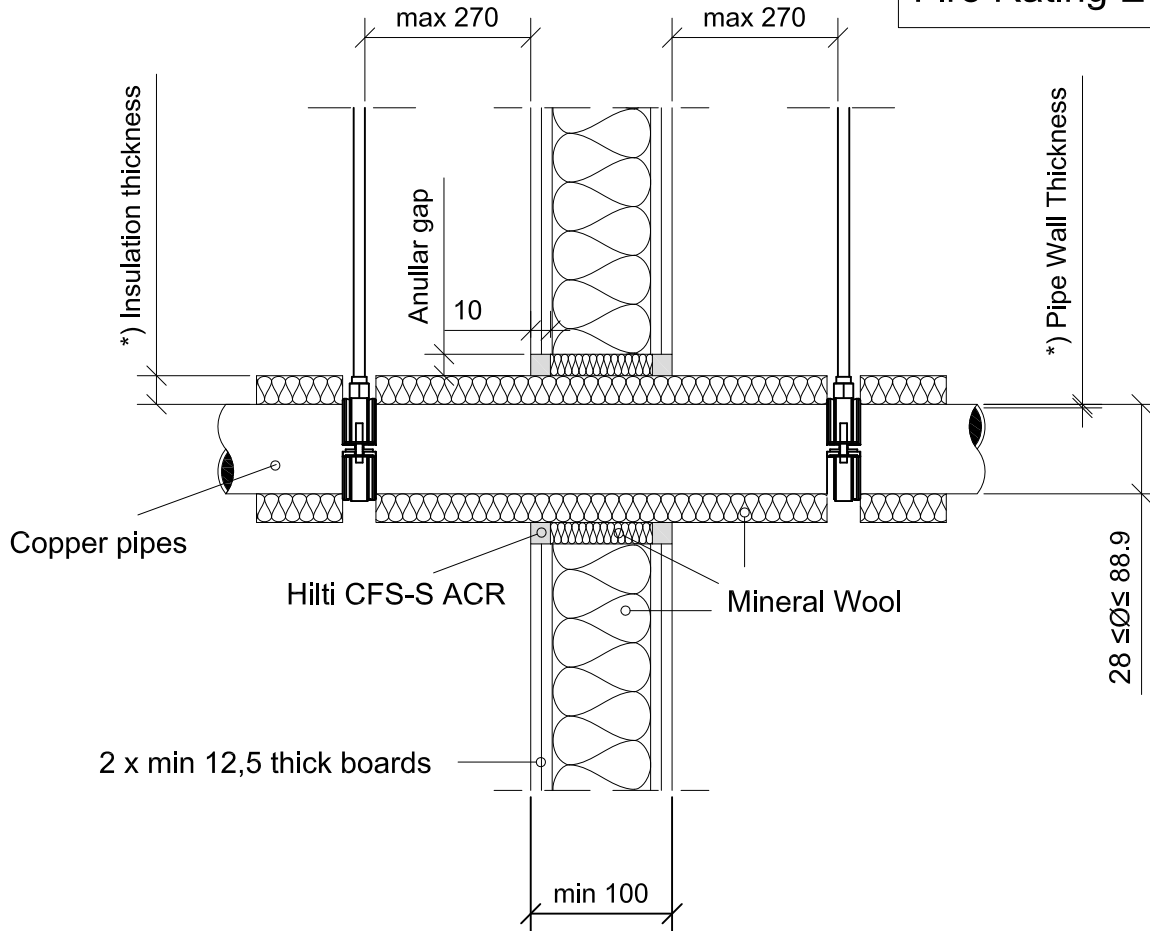
0002_01

REV
00

No scale

All units are in millimetres

Fire Rating EI 120 C/U



*) Pipe wall thickness and insulation

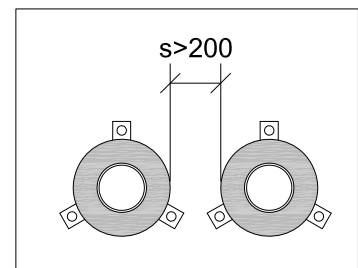
| Pipe Ø | Pipe Wall Thickness | Insulation Thickness | Insulation | Length on each side |
|---------|---------------------|----------------------|-------------|---------------------|
| 28-42 | 1.0/1.5-14.2 | 20 | Sustained | ≥ 450 |
| 28-42 | 1.0/1.5-14.2 | 20 | Interrupted | ≥ 500 |
| 42 | 1.5-14.2 | 20-40 | Sustained | ≥ 500 |
| 42 | 1.5-14.2 | 20-40 | Interrupted | ≥ 500 |
| 42-88.9 | 1.5/2.0-14.2 | 40 | Interrupted | ≥ 500 |
| 88.9 | 2.0-14.2 | 40 | Interrupted | ≥ 700 |

Sound Insulation for flexible wall

$$D_{n,w} = 53 \text{ dB}$$

$$R_w = 60 \text{ dB}$$

- Approval ETA-10/0292 of 31/01/2013
- Reaction to fire acc EN 13501-1
- Fire resistance test acc 1366-3
- Installation according to Hilti instructions



Minimum distance between seals



CONTENTS

Metal Pipe in a flexible wall

ID

HEAT-FW-MP-0003

FIRESTOP ACRYLIC SEALANT

0003_01

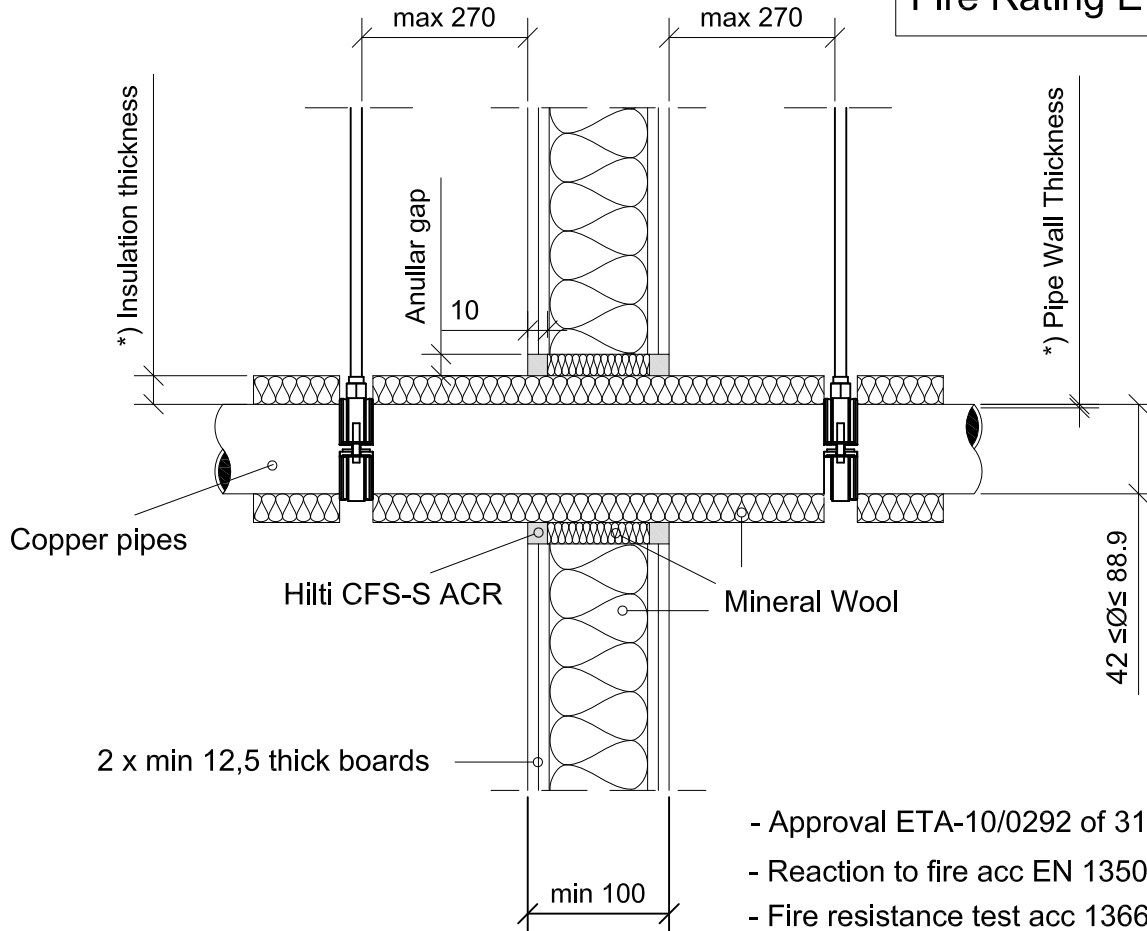
REV

00

No scale

All units are in millimetres

Fire Rating EI 90 C/U



- Approval ETA-10/0292 of 31/01/2013
- Reaction to fire acc EN 13501-1
- Fire resistance test acc 1366-3
- Installation according to Hilti instructions

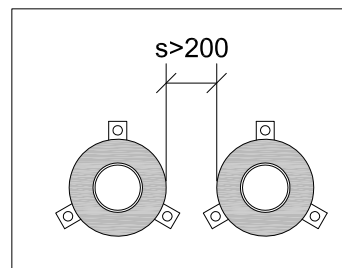
*) Pipe wall thickness and insulation

| Pipe Ø | Pipe Wall Thickness | Insulation Thickness | Other criteria description |
|---------|---------------------|----------------------|----------------------------|
| 42-88.9 | 1.5/2.0-14.2 | ≥ 40 | Sustained insulation |

Sound Insulation for flexible wall

$$D_{n,w} = 53 \text{ dB}$$

$$R_w = 60 \text{ dB}$$



Minimum distance between seals



CONTENTS

Metal Pipe in a flexible wall

ID

HEAT-FW-MP-0004

FIRESTOP ACRYLIC SEALANT

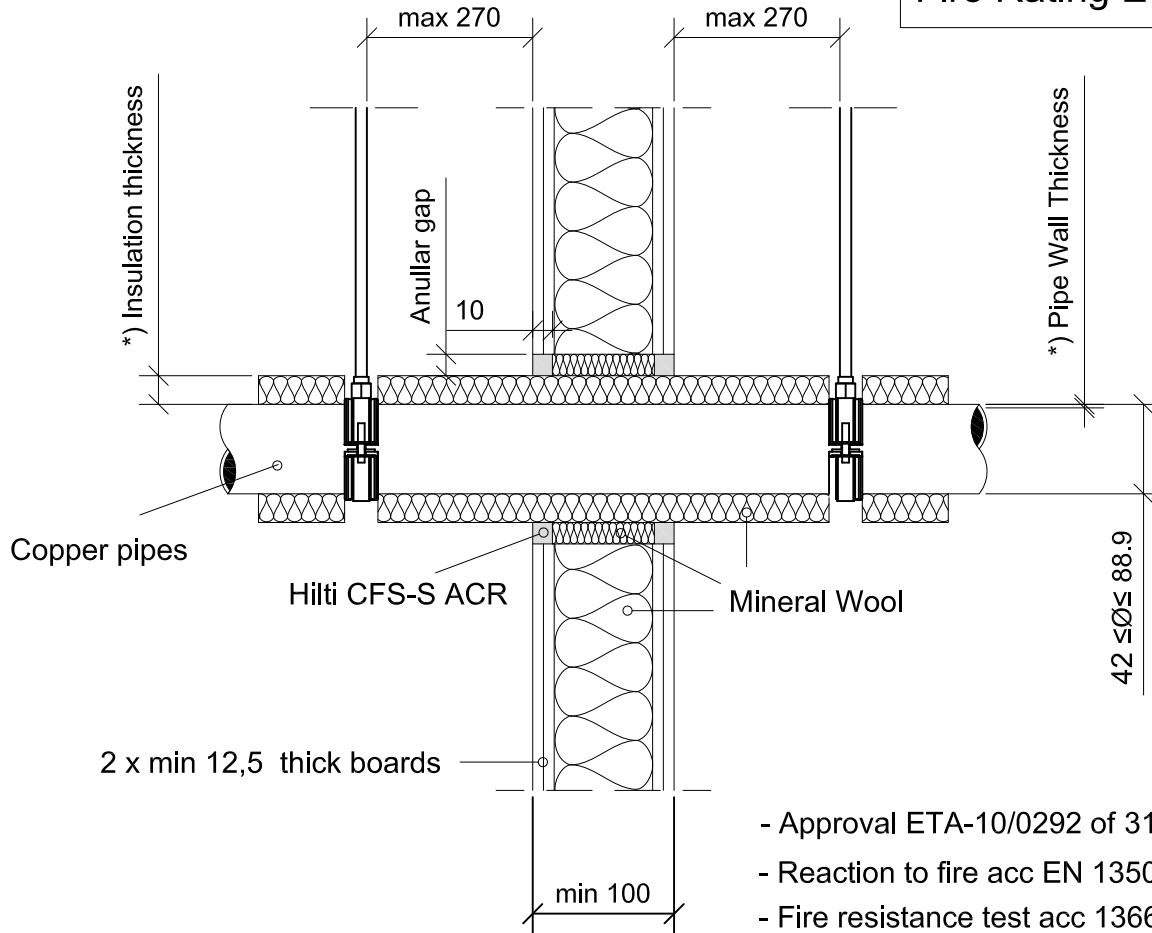
0004_01

REV
00

No scale

All units are in millimetres

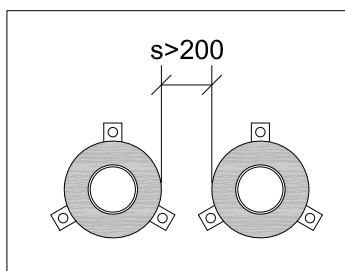
Fire Rating EI 90 C/U



- Approval ETA-10/0292 of 31/01/2013
- Reaction to fire acc EN 13501-1
- Fire resistance test acc 1366-3
- Installation according to Hilti instructions

*) Pipe wall thickness and insulation

| Pipe Ø | Pipe Wall Thickness | Insulation Thickness | Insulation | Length on each side |
|---------|---------------------|----------------------|------------|---------------------|
| 42-88.9 | 1.5/2.0-14.2 | 40 | Sustained | ≥ 500 |



Minimum distance between seals

Sound Insulation for flexible wall

$$D_{n,w} = 53 \text{ dB}$$

$$R_w = 60 \text{ dB}$$



CONTENTS

Metal Pipe in a rigid wall

ID

HEAT-RW-MP-0011

FIRESTOP ACRYLIC SEALANT

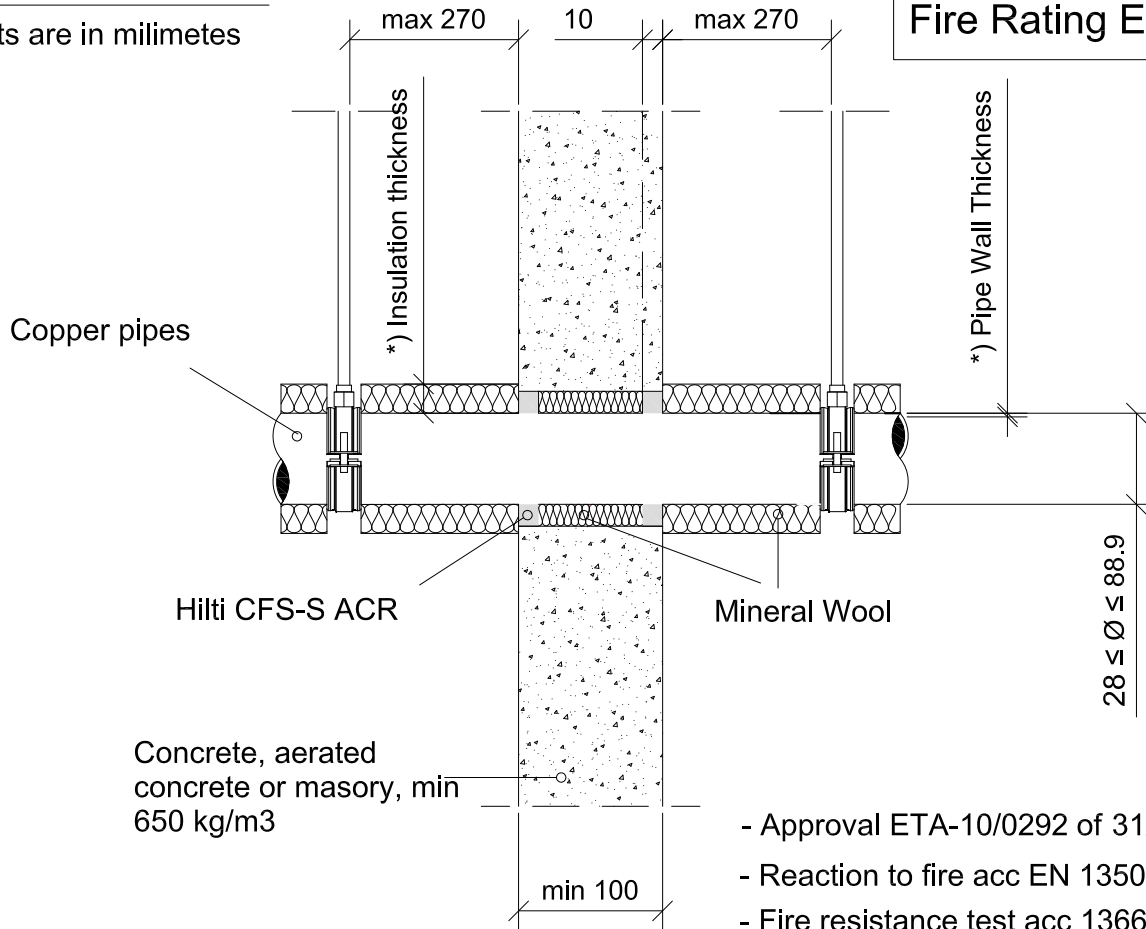
0011_01

REV 00

No scale

All units are in millimetres

Fire Rating EI 120 C/U



- Approval ETA-10/0292 of 31/01/2013
- Reaction to fire acc EN 13501-1
- Fire resistance test acc 1366-3
- Installation according to Hilti instructions

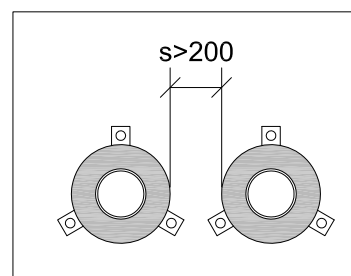
*) Pipe wall thickness and insulation

| Pipe Ø | Pipe Wall Thickness | Insulation Thickness | Other criteria description |
|---------|---------------------|----------------------|-------------------------------------|
| 28-42 | 1.0/1.5-14.2 | ≥ 20 | Interrupted or sustained insulation |
| 42-88.9 | 1.5/2.0-14.2 | ≥ 40 | Interrupted |

Sound Insulation for rigid wall

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

$$R_w = 58 \text{ dB}$$



Minimum distance between seals



CONTENTS

Metal Pipe in a rigid wall

ID

HEAT-RW-MP-0012

FIRESTOP ACRYLIC SEALANT

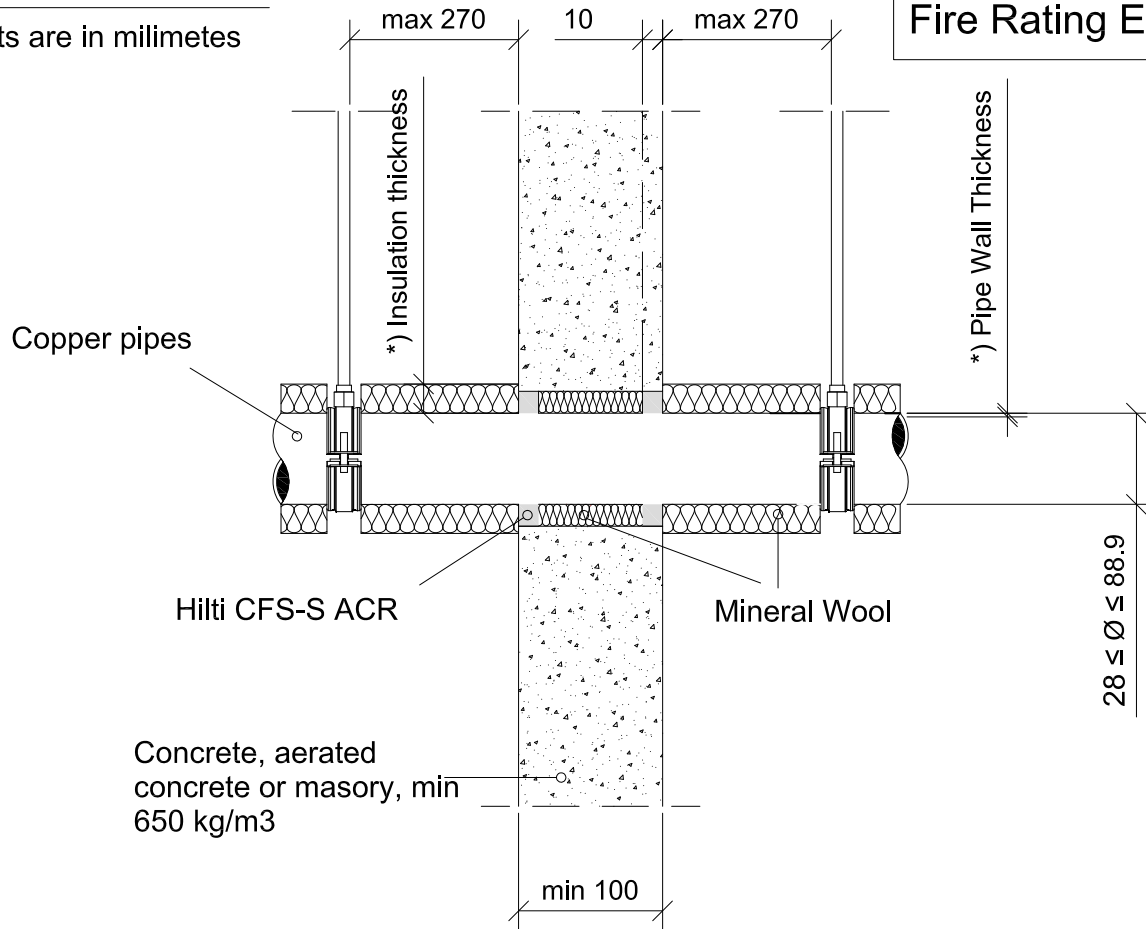
0012_01

REV 00

No scale

All units are in millimetres

Fire Rating EI 120 C/U



*) Pipe wall thickness and insulation

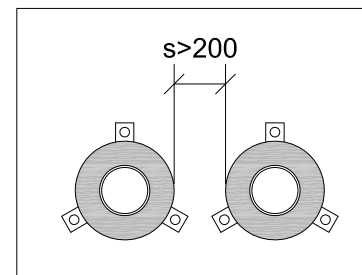
| Pipe Ø | Pipe Wall Thickness | Insulation Thickness | Insulation | Length on each side |
|---------|---------------------|----------------------|-------------|---------------------|
| 28-42 | 1.0/1.5-14.2 | 20 | Sustained | ≥ 450 |
| 28-42 | 1.0/1.5-14.2 | 20 | Interrupted | ≥ 500 |
| 42 | 1.5-14.2 | 20-40 | Sustained | ≥ 500 |
| 42 | 1.5-14.2 | 20-40 | Interrupted | ≥ 500 |
| 42-88.9 | 1.5/2.0-14.2 | 40 | Interrupted | ≥ 500 |
| 88.9 | 2.0-14.2 | 40 | Interrupted | ≥ 700 |

Sound Insulation for rigid wall

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

$$R_w = 58 \text{ dB}$$

- Approval ETA-10/0292 of 31/01/2013
- Reaction to fire acc EN 13501-1
- Fire resistance test acc 1366-3
- Installation according to Hilti instructions



Minimum distance between seals



CONTENTS

Metal Pipe in a rigid wall

ID

HEAT-RW-MP-0015

FIRESTOP ACRYLIC SEALANT

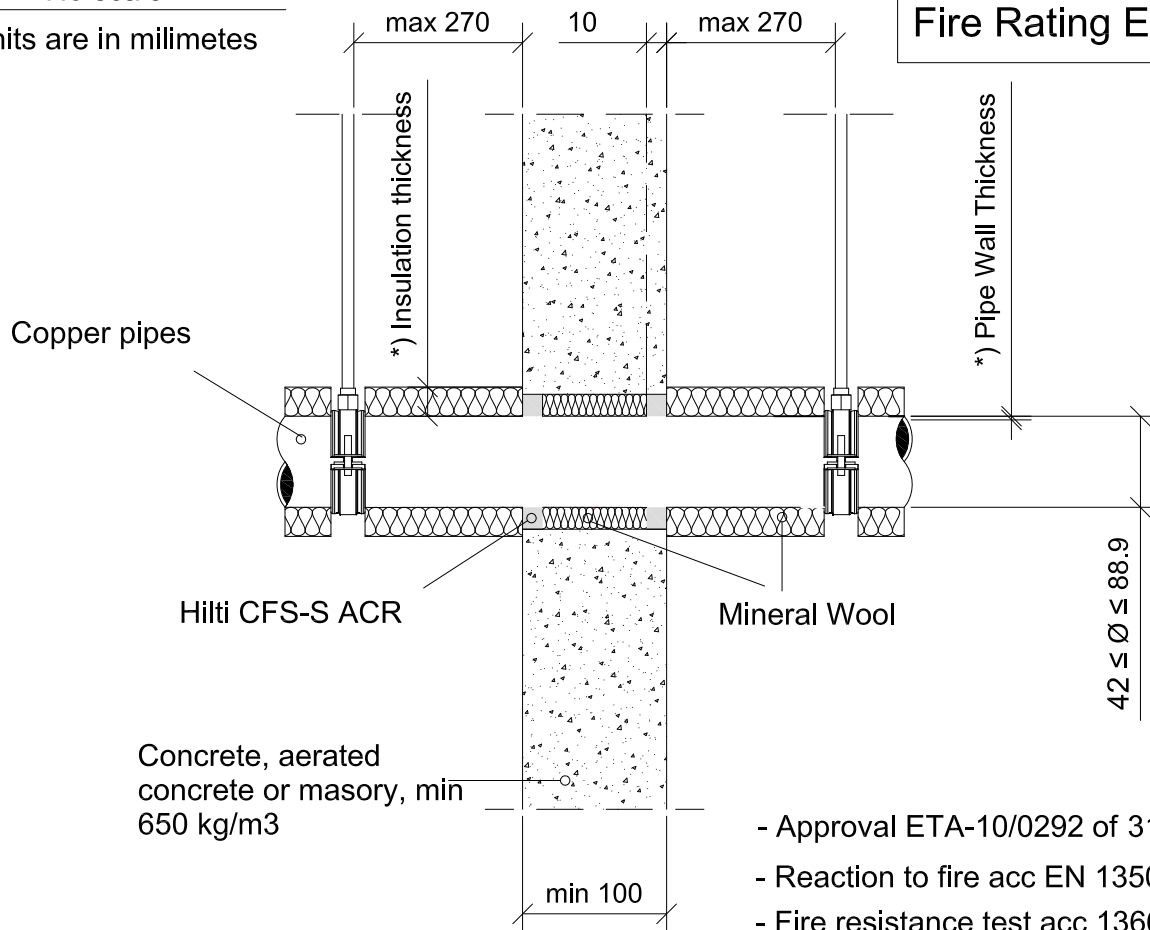
0015_01

REV 00

No scale

All units are in millimetres

Fire Rating EI 90 C/U



Concrete, aerated
concrete or masonry, min
650 kg/m³

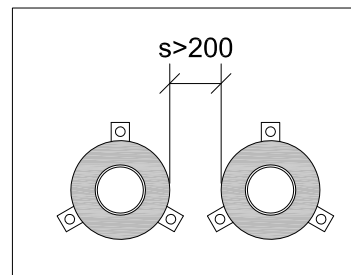
- Approval ETA-10/0292 of 31/01/2013
- Reaction to fire acc EN 13501-1
- Fire resistance test acc 1366-3
- Installation according to Hilti instructions

*) Pipe wall and insulation thickness

| Pipe Ø | Pipe Wall Thickness | Insulation Thickness | Other criteria description |
|---------|---------------------|----------------------|----------------------------|
| 42-88.9 | 1.5/2.0-14.2 | ≥ 40 | Sustained insulation |

Sound Insulation for rigid wall

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



Minimum distance between seals



CONTENTS

Metal Pipe in a rigid wall

ID

HEAT-RW-MP-0016

FIRESTOP ACRYLIC SEALANT

0016_01

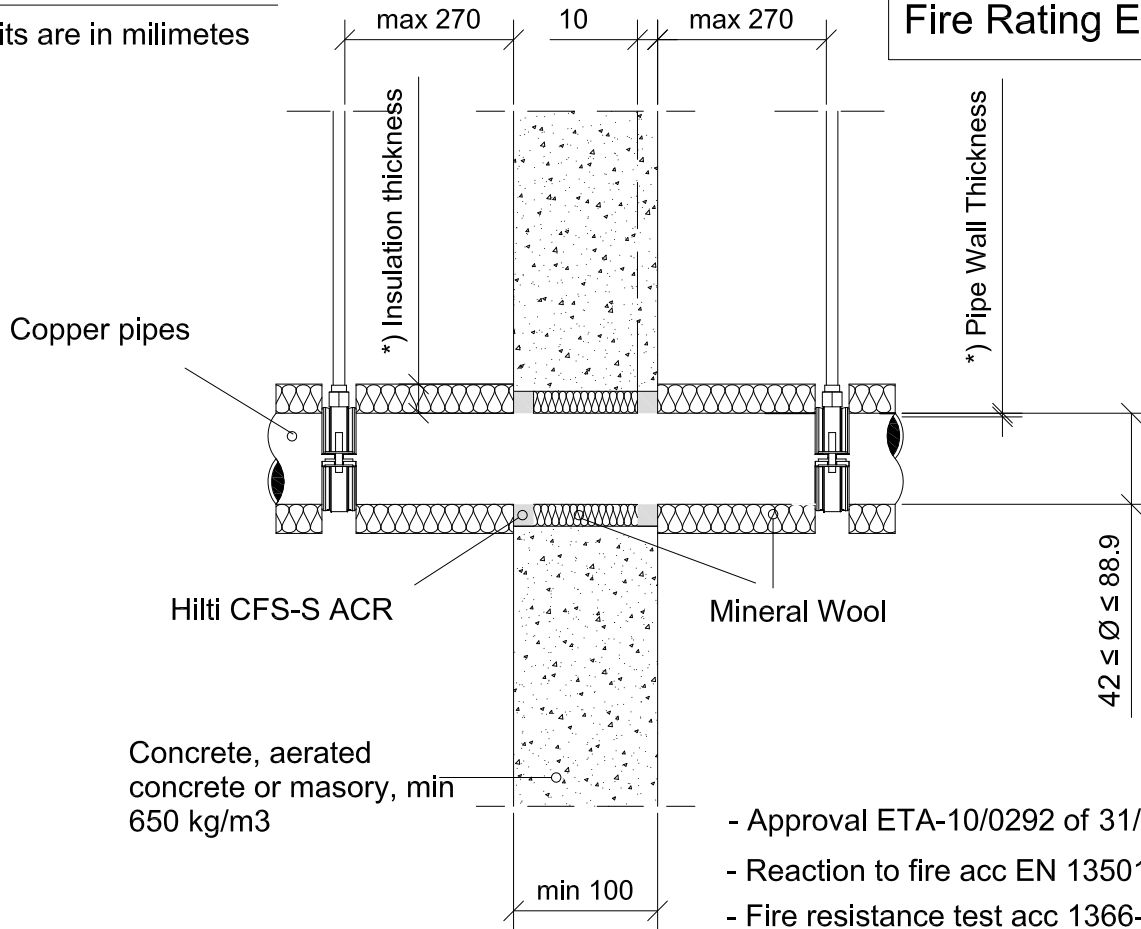
REV

00

No scale

All units are in millimetres

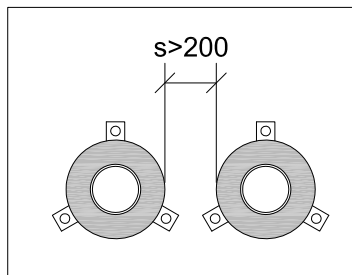
Fire Rating EI 90 C/U



- Approval ETA-10/0292 of 31/01/2013
- Reaction to fire acc EN 13501-1
- Fire resistance test acc 1366-3
- Installation according to Hilti instructions

*) Pipe wall thickness and insulation

| Pipe Ø | Pipe Wall Thickness | Insulation Thickness | Insulation | Length on each side |
|---------|---------------------|----------------------|------------|---------------------|
| 42-88.9 | 1.5/2.0-14.2 | 40 | Sustained | ≥ 500 |



Minimum distance between seals

Sound Insulation for rigid wall

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



CONTENTS

Metal Pipe in a rigid floor

ID

HEAT-RF-MP-0018

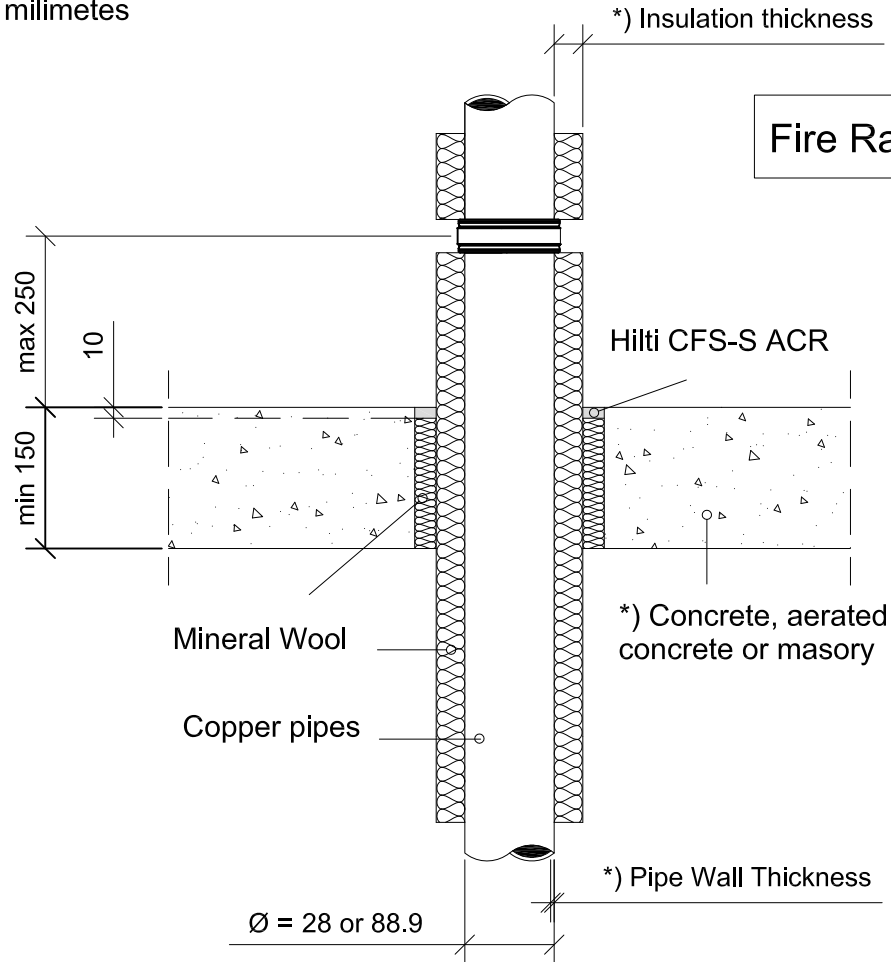
FIRESTOP ACRYLIC SEALANT

0018_01

REV
00

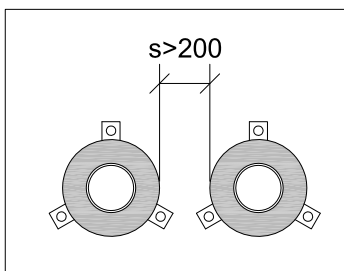
No scale

All units are in milimetres



- Approval ETA-10/0292 of 31/01/2013
- Reaction to fire acc EN 13501-1
- Fire resistance test acc 1366-3
- Installation according to Hilti instructions

*) Pipe wall thickness and insulation



Minimum distance between seals

| Density Base Material | Pipe Ø | Pipe Wall Thickness | Insulation Thickness | Insulation | Seal diameter |
|-------------------------|--------|---------------------|----------------------|------------|---------------|
| ≥2400 kg/m ³ | 28 | 1.0-14.2 | ≥20 | Sustained | ≤ 260 |
| | 88.9 | 2.0-14.2 | ≥40 | Sustained | ≤ 260 |



CONTENTS

Metal Pipe in a rigid floor

ID

HEAT-RF-MP-0019

FIRESTOP ACRYLIC SEALANT

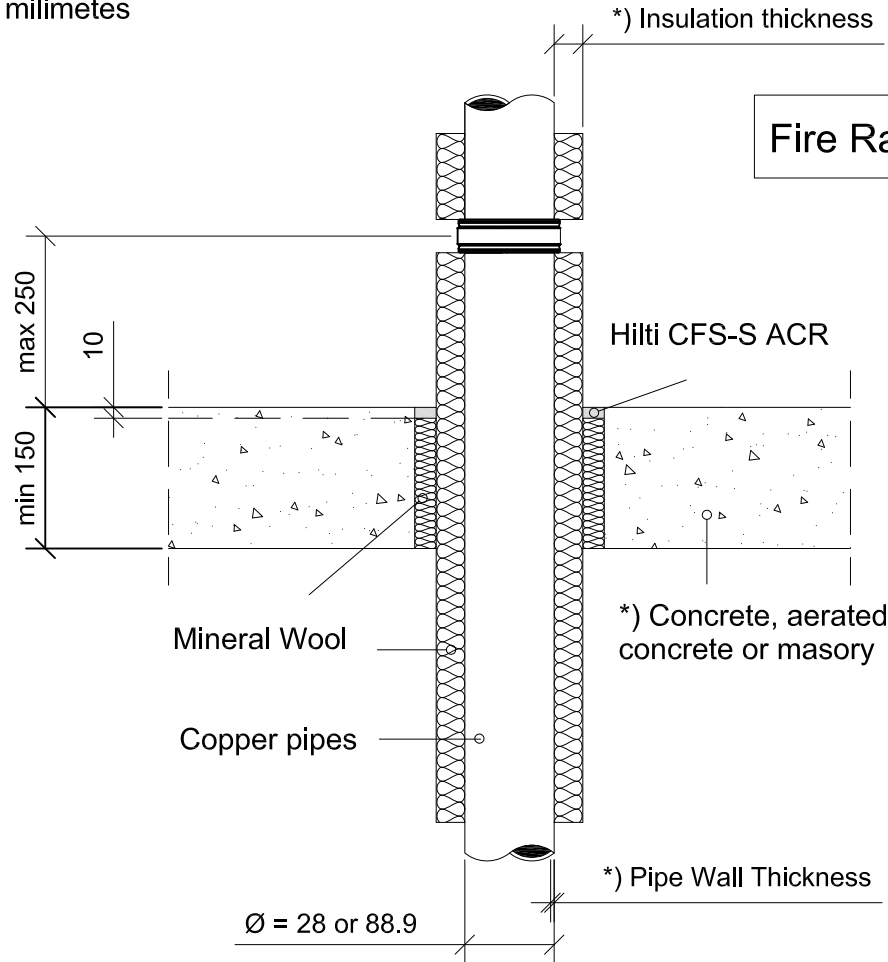
0019_01

REV

00

No scale

All units are in millimetres

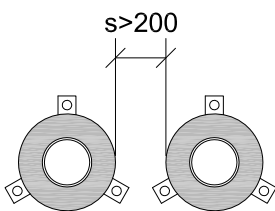


Fire Rating EI 180 C/U

*) Pipe wall thickness and insulation

| Density Base Material | Pipe Ø | Pipe Wall Thickness | Insulation Thickness | Insulation | Seal diameter | Length on each side |
|-------------------------|--------|---------------------|----------------------|-------------|---------------|---------------------|
| ≥2400 kg/m ³ | 28 | 1.0-14.2 | 20 | Sustained | ≤ 260 | ≥425 |
| | 88.9 | 2.0-14.2 | 40 | Sustained | ≤ 260 | ≥700 |
| | 88.9 | 2.0-14.2 | 40 | Interrupted | ≤ 260 | ≥500 |

| Density Base Material | Pipe Ø | Pipe Wall Thickness | Insulation Thickness | Insulation | Annular Space | Length on each side |
|------------------------|--------|---------------------|----------------------|------------|---------------|---------------------|
| ≥550 kg/m ³ | 88.9 | 2.0-14.2 | 40 | Sustained | 13-48 | ≥700 |



Minimum distance between seals

- Approval ETA-10/0292 of 31/01/2013
- Reaction to fire acc EN 13501-1
- Fire resistance test acc 1366-3
- Installation according to Hilti instructions



CONTENTS

Metal Pipe in a rigid floor

ID

HEAT-RF-MP-0020

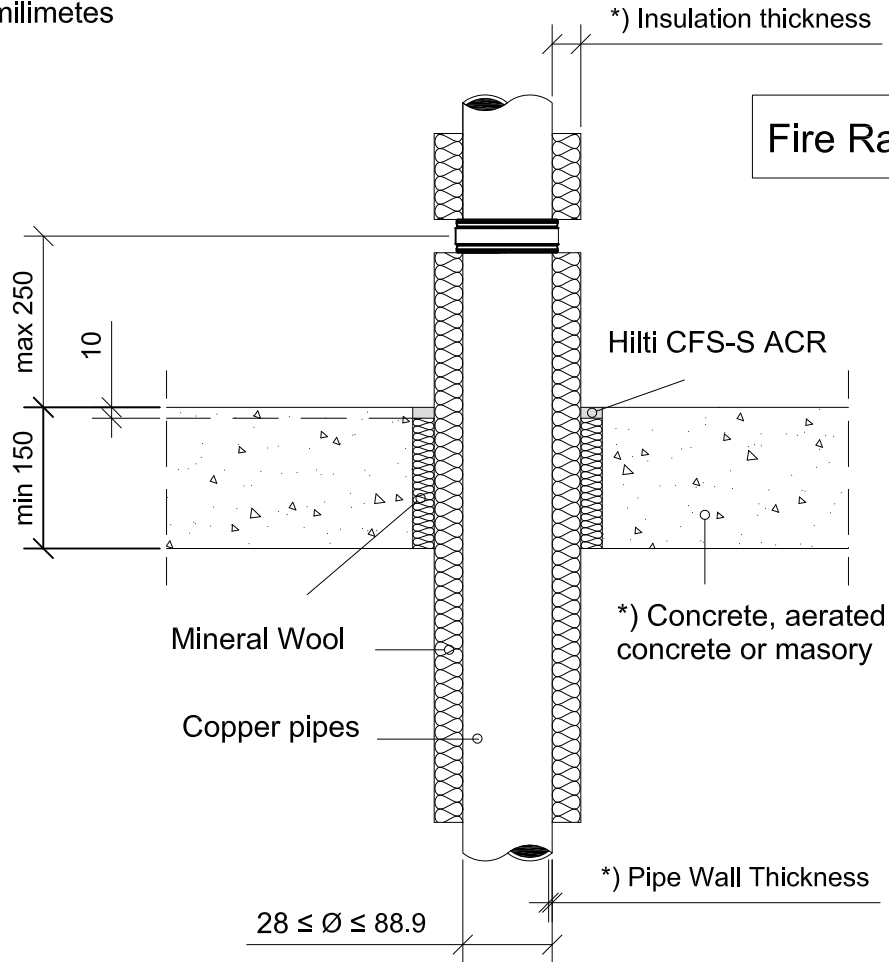
FIRESTOP ACRYLIC SEALANT

0020_01

REV
00

No scale

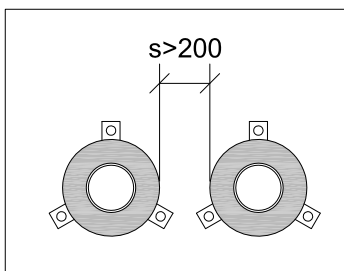
All units are in millimetres



Fire Rating EI 120 C/U

*) Pipe wall and insulation thickness

| Density Base Material | Pipe Ø | Pipe Wall Thickness | Insulation Thickness | Insulation | Seal diameter |
|-------------------------|---------|---------------------|----------------------|-------------|---------------|
| ≥550 kg/m ³ | 28-42 | 1.0/1.5-14.2 | 20 | Interrupted | ≤ 300 |
| | 42 | 1.5-14.2 | ≥20 | Sustained | ≤ 300 |
| | 42 | 1.5-14.2 | ≥40 | Interrupted | ≤ 300 |
| ≥2400 kg/m ³ | 28-42 | 1.0/1.5-14.2 | ≥20 | Sustained | ≤ 300 |
| | 28-42 | 1.0/1.5-14.2 | ≥20 | Interrupted | ≤ 300 |
| | 42-88.9 | 1.5/2.0-14.2 | ≥40 | Interrupted | ≤ 300 |



Minimum distance between seals

- Approval ETA-10/0292 of 31/01/2013
- Reaction to fire acc EN 13501-1
- Fire resistance test acc 1366-3
- Installation according to Hilti instructions



CONTENTS

Metal Pipe in a rigid floor

ID

HEAT-RF-MP-0021

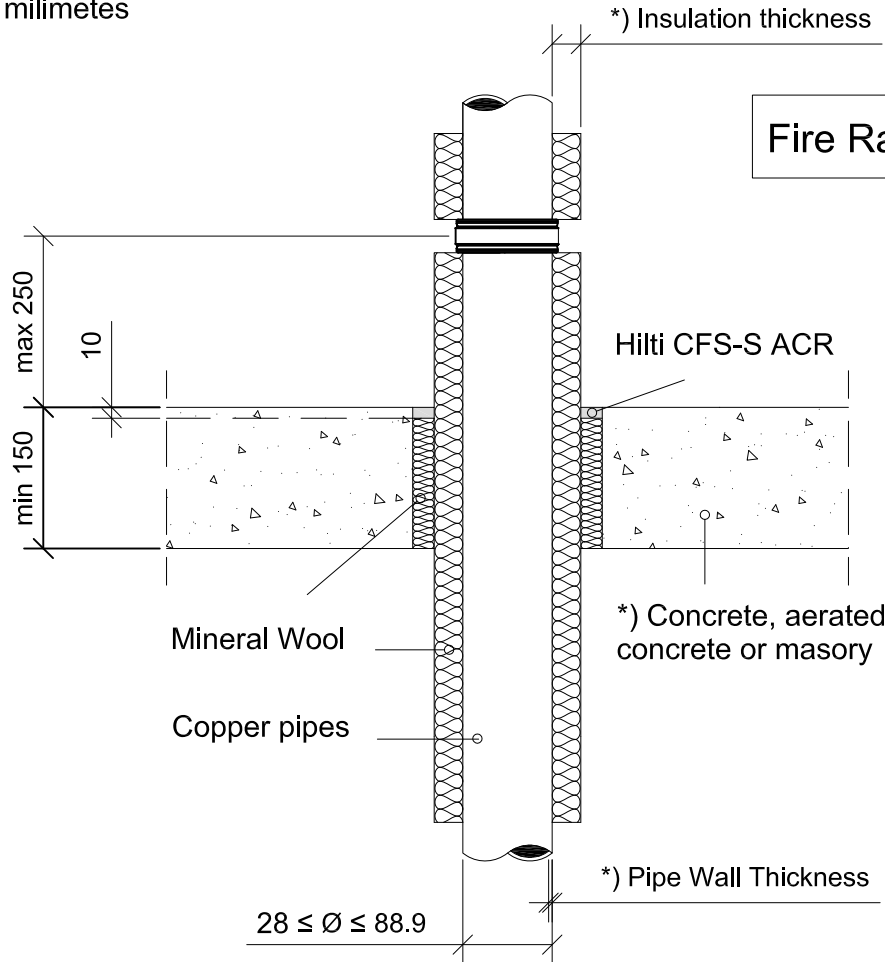
FIRESTOP ACRYLIC SEALANT

0021_01

REV
00

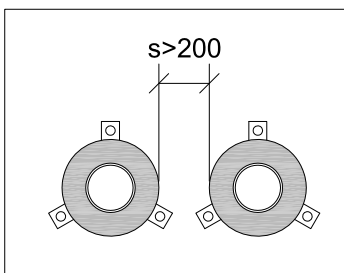
No scale

All units are in millimetres



*) Pipe wall and insulation thickness

Approval ETA-10/0292 of 31/01/2013
Reaction to fire acc EN 13501-1
Fire resistance test acc 1366-3
Installation according to Hilti instructions



Minimum distance between seals

| Density Base Material | Pipe Ø | Pipe Wall Thickness | Insulation Thickness | Insulation | Seal diameter | Length on each side |
|-------------------------|---------|---------------------|----------------------|-------------|---------------|---------------------|
| ≥550 kg/m ³ | 28-42 | 1.0/1.5-14.2 | 20-40 | Interrupted | ≤ 300 | ≥600 |
| | 28-42 | 1.0/1.5-14.2 | 40 | Interrupted | ≤ 300 | ≥500 |
| | 42 | 1.5-14.2 | 20 | Sustained | ≤ 300 | ≥450 |
| | 42 | 1.5-14.2 | 20-40 | Sustained | ≤ 300 | ≥700 |
| | 42 | 1.5-14.2 | 20-40 | Interrupted | ≤ 300 | ≥500 |
| | 42-88.9 | 1.5/2.0-14.2 | 40 | Sustained | ≤ 300 | ≥700 |
| ≥2400 kg/m ³ | 28-42 | 1.0/1.5-14.2 | 20 | Sustained | ≤ 300 | ≥450 |
| | 28-42 | 1.0/1.5-14.2 | 20-40 | Interrupted | ≤ 300 | ≥500 |
| | 28-42 | 1.0/1.5-14.2 | 20-40 | Sustained | ≤ 300 | ≥700 |
| | 42 | 1.5-14.2 | 20-40 | Sustained | ≤ 300 | ≥700 |
| | 42-88.9 | 1.5/2.0-14.2 | 40 | Sustained | ≤ 300 | ≥700 |
| | 42-88.9 | 1.5/2.0-14.2 | 40 | Interrupted | ≤ 300 | ≥500 |



CONTENTS

Metal Pipe in a rigid floor

ID

HEAT-RF-MP-0024

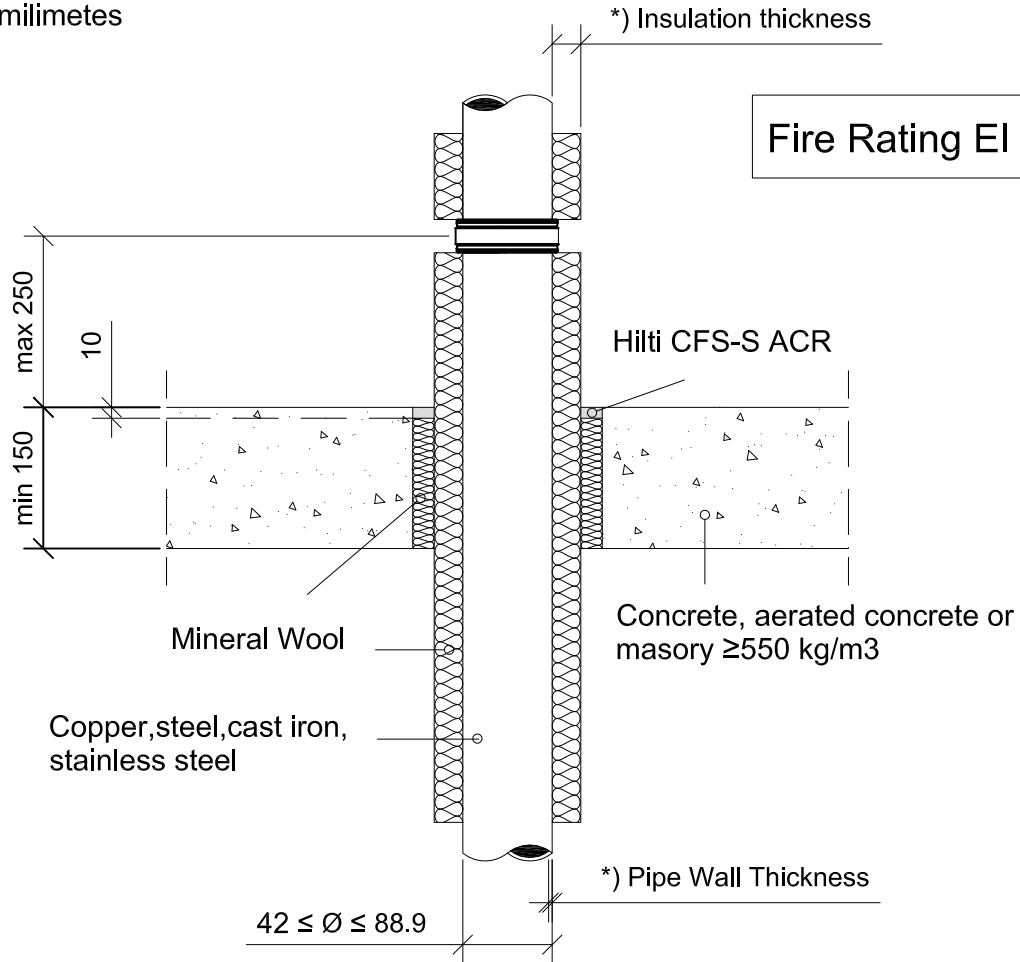
FIRESTOP ACRYLIC SEALANT

0024_01

REV
00

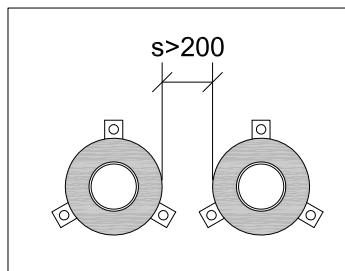
No scale

All units are in millimetres



*) Pipe wall and insulation thickness

| Pipe Ø | Pipe Wall Thickness | Insulation Thickness | Insulation | Seal diameter |
|---------|---------------------|----------------------|------------|---------------|
| 42-88.9 | 1.5/2.0-14.2 | ≥40 | Sustained | ≤ 300 |



Minimum distance between seals

- Approval ETA-10/0292 of 31/01/2013
- Reaction to fire acc EN 13501-1
- Fire resistance test acc 1366-3
- Installation according to Hilti instructions



CONTENTS

Metal Pipe in a rigid floor

ID

HEAT-RF-MP-0025

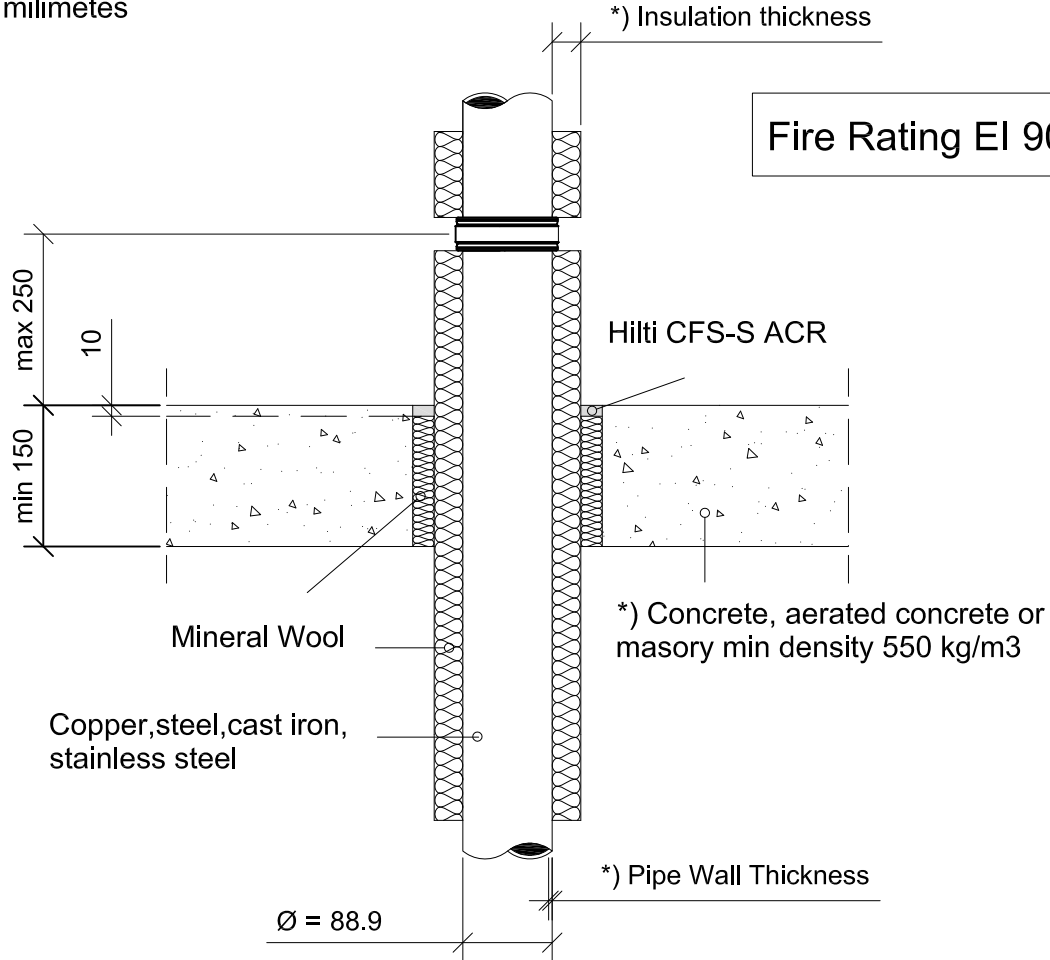
FIRESTOP ACRYLIC SEALANT

0025_01

REV
00

No scale

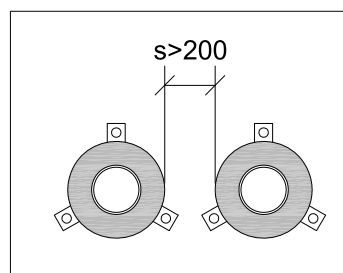
All units are in millimetres



- Approval ETA-10/0292 of 31/01/2013
- Reaction to fire acc EN 13501-1
- Fire resistance test acc 1366-3
- Installation according to Hilti instructions

*) Pipe wall and insulation thickness

| Pipe Ø | Pipe Wall Thickness | Insulation Thickness | Insulation | Seal diameter | Length on each side |
|--------|---------------------|----------------------|------------|---------------|---------------------|
| 88.9 | 2.0-14.2 | 40 | Sustained | ≤ 300 | ≥500 |



Minimum distance between seals



CONTENTS

Metal Pipe in a flexible wall

ID

HEAT-FW-MP-0027

FIRESTOP ACRYLIC SEALANT

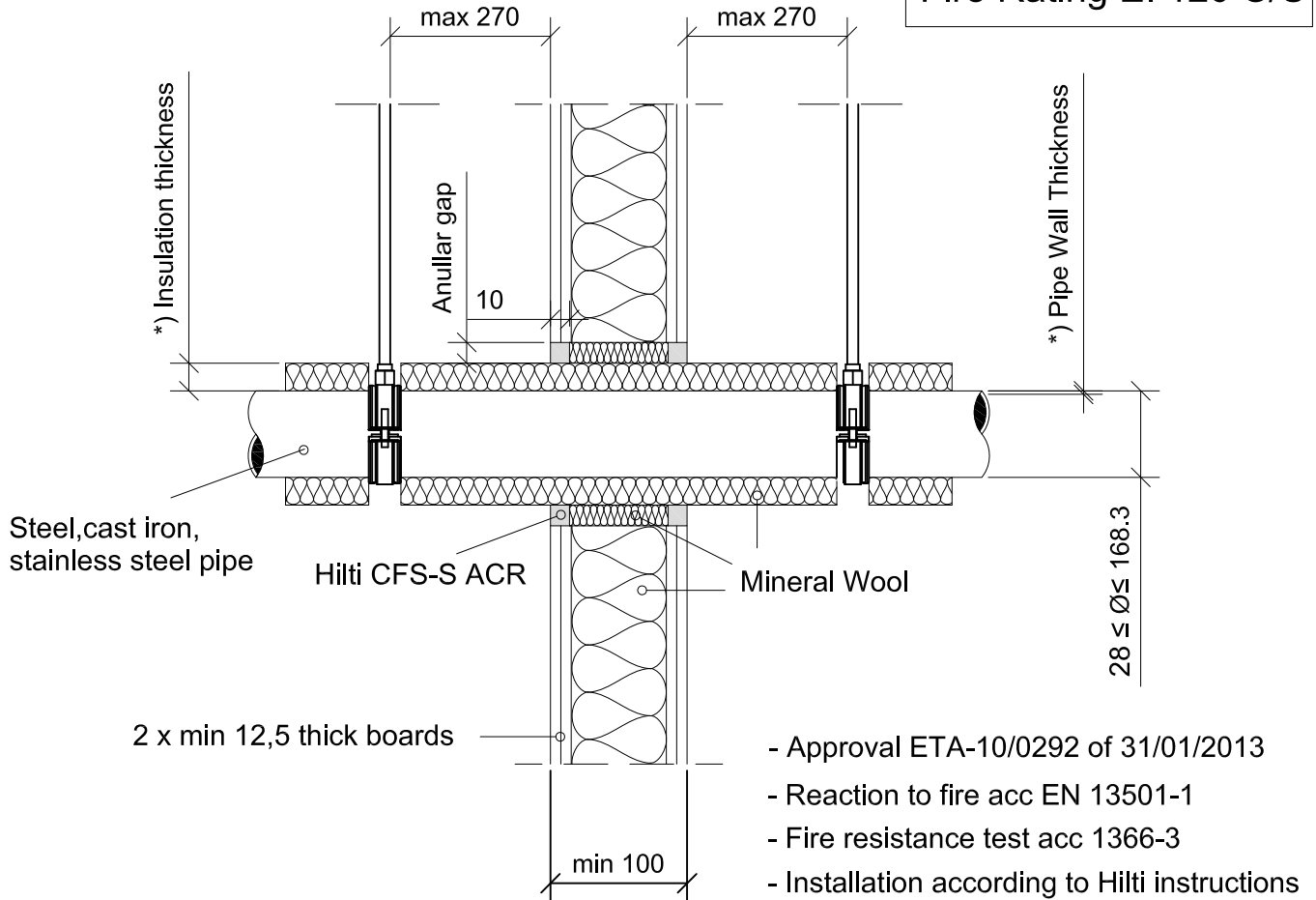
0027_01

REV
00

No scale

All units are in millimetres

Fire Rating EI 120 C/U



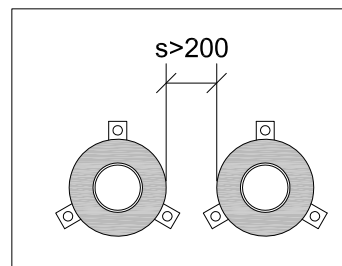
*) Pipe wall and insulation thickness

| Pipe Ø | Pipe Wall Thickness | Insulation Thickness | Other criteria description |
|------------|---------------------|----------------------|-------------------------------------|
| 28-42 | 1.0/1.5-14.2 | ≥ 20 | Interrupted or sustained insulation |
| 42-88.9 | 1.5/2.0-14.2 | ≥ 40 | Interrupted |
| 26.9-48.3 | 1.4/1.6-14.2 | ≥ 20 | Interrupted or sustained insulation |
| 26.9-168.3 | 1.4/2.6-14.2 | ≥ 40 | Interrupted or sustained insulation |

Sound Insulation for flexible wall

$$D_{n,w} = 53 \text{ dB}$$

$$R_w = 60 \text{ dB}$$



Minimum distance between seals



CONTENTS

Metal Pipe in a flexible wall

ID

HEAT-FW-MP-0028

FIRESTOP ACRYLIC SEALANT

0028_01

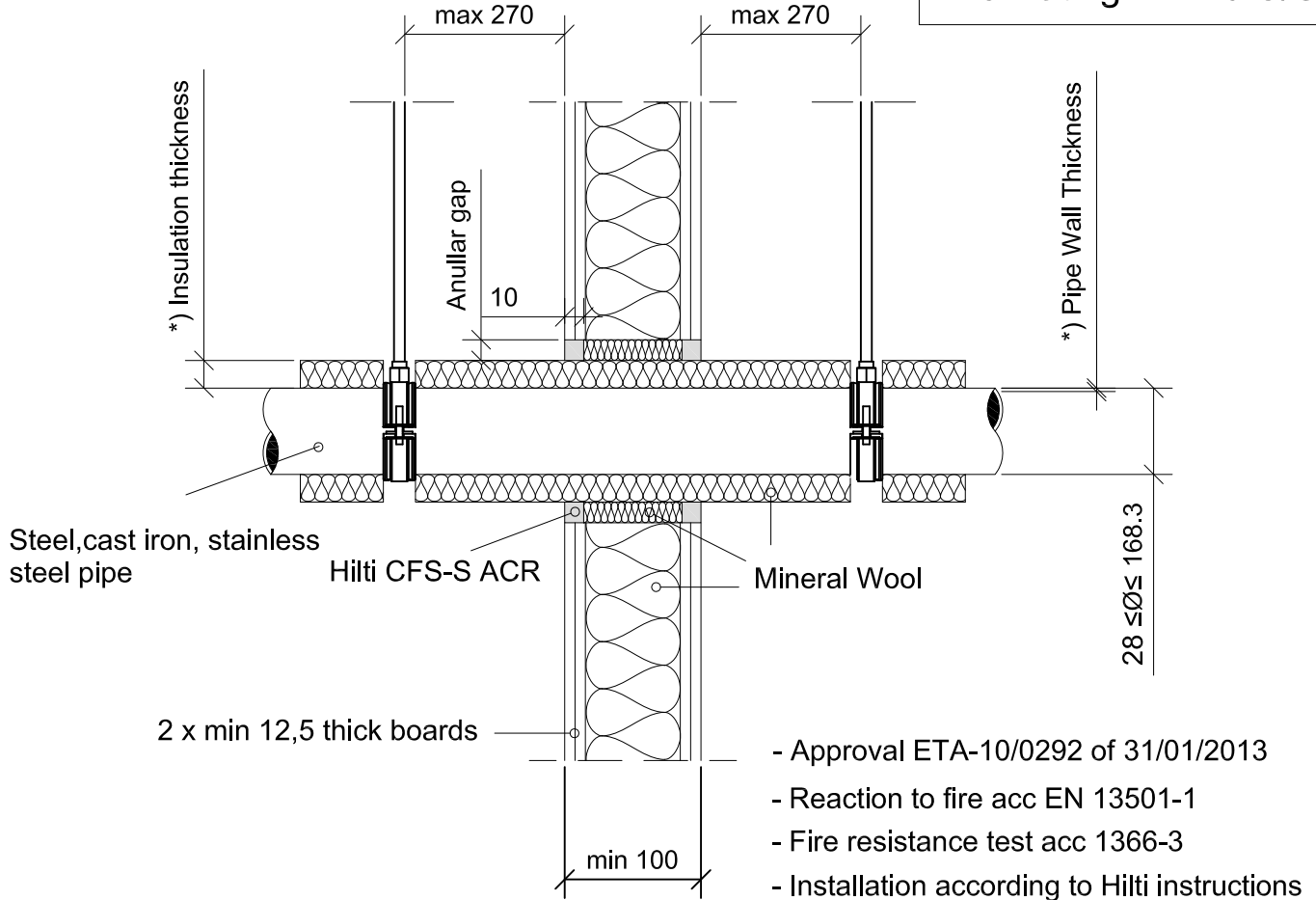
REV

00

No scale

All units are in millimetres

Fire Rating EI 120 C/U



- Approval ETA-10/0292 of 31/01/2013
- Reaction to fire acc EN 13501-1
- Fire resistance test acc 1366-3
- Installation according to Hilti instructions

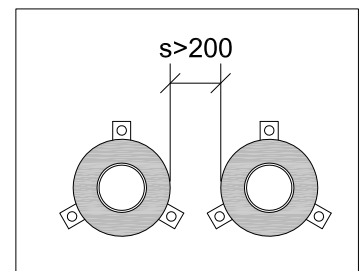
*) Pipe wall and insulation thickness

| Pipe Ø | Pipe Wall Thickness | Insulation Thickness | Insulation | Length on each side |
|------------|---------------------|----------------------|-------------|---------------------|
| 28-42 | 1.0/1.5-14.2 | 20 | Sustained | ≥ 450 |
| 28-42 | 1.0/1.5-14.2 | 20 | Interrupted | ≥ 500 |
| 42 | 1.5-14.2 | 20-40 | Sustained | ≥ 500 |
| 42 | 1.5-14.2 | 20-40 | Interrupted | ≥ 500 |
| 42-88.9 | 1.5/2.0-14.2 | 40 | Interrupted | ≥ 500 |
| 88.9 | 2.0-14.2 | 40 | Interrupted | ≥ 700 |
| 26.9-48.3 | 1.4/1.6-14.2 | 20 | Sustained | ≥ 450 |
| 26.9-48.3 | 1.4/1.6-14.2 | 20 | Interrupted | ≥ 500 |
| 48.3 | 1.6-14.2 | 20-40 | Sustained | ≥ 500 |
| 48.3-168.3 | 1.6/2.6-14.2 | 40 | Sustained | ≥ 700 |
| 168.3 | 4.5-14.2 | 40 | Interrupted | ≥ 500 |
| 168.3 | 2.6-14.2 | 40 | Interrupted | ≥ 700 |

Sound Insulation for flexible wall

$$D_{n,w} = 53 \text{ dB}$$

$$R_w = 60 \text{ dB}$$



Minimum distance between seals



CONTENTS

Metal Pipe in a flexible wall

ID

HEAT-FW-MP-0032

FIRESTOP ACRYLIC SEALANT

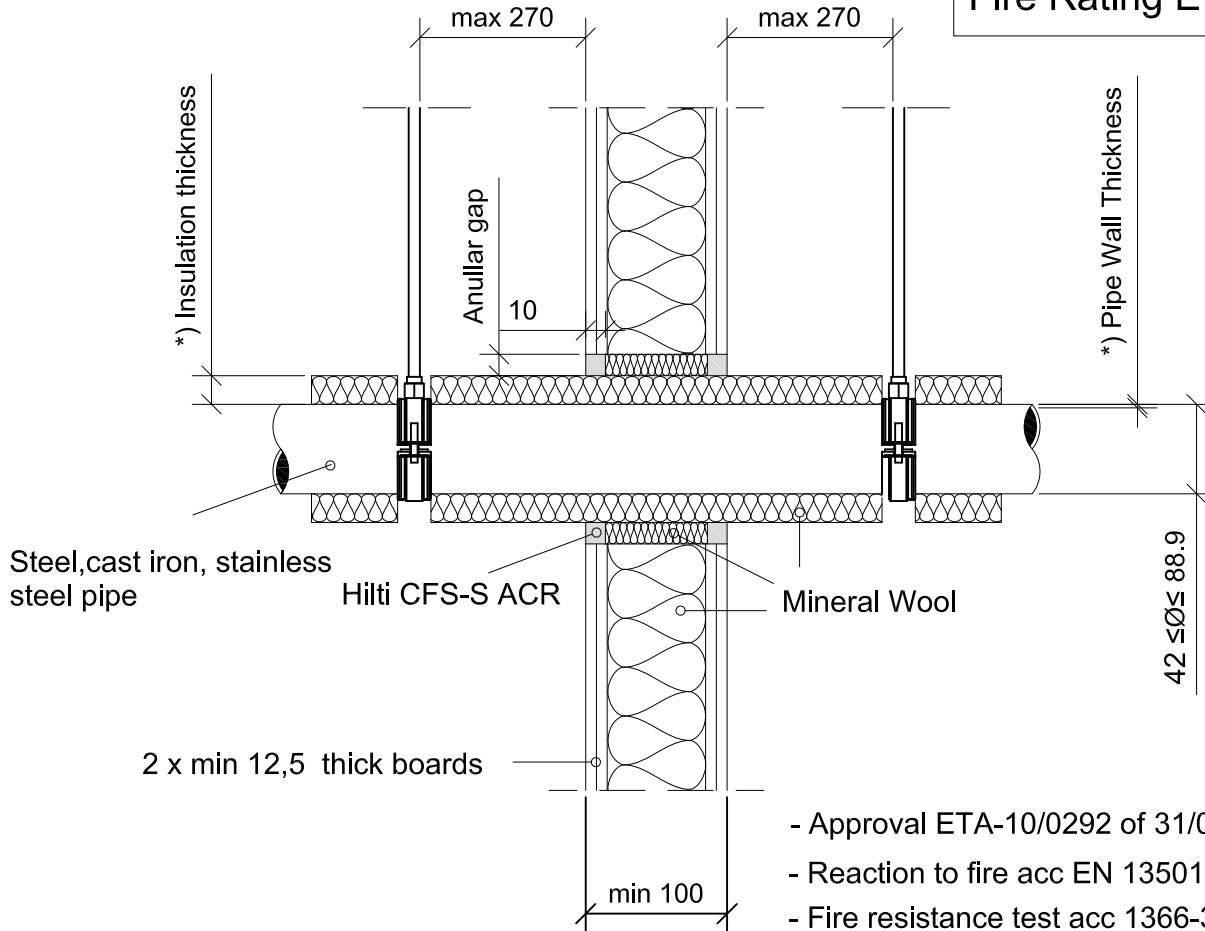
0032_01

REV
00

No scale

All units are in millimetres

Fire Rating EI 90 C/U



- Approval ETA-10/0292 of 31/01/2013
- Reaction to fire acc EN 13501-1
- Fire resistance test acc 1366-3
- Installation according to Hilti instructions

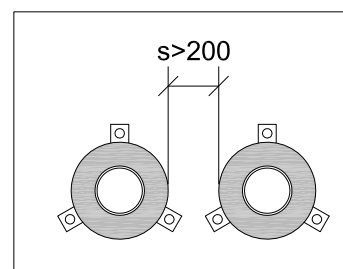
*) Pipe wall and insulation thickness

| Pipe Ø | Pipe Wall Thickness | Insulation Thickness | Other criteria description |
|---------|---------------------|----------------------|----------------------------|
| 42-88.9 | 1.5/2.0-14.2 | ≥ 40 | Sustained insulation |

Sound Insulation for flexible wall

$$D_{n,w} = 53 \text{ dB}$$

$$R_w = 60 \text{ dB}$$



Minimum distance between seals



CONTENTS

Metal Pipe in a flexible wall

ID

HEAT-FW-MP-0033

FIRESTOP ACRYLIC SEALANT

0033_01

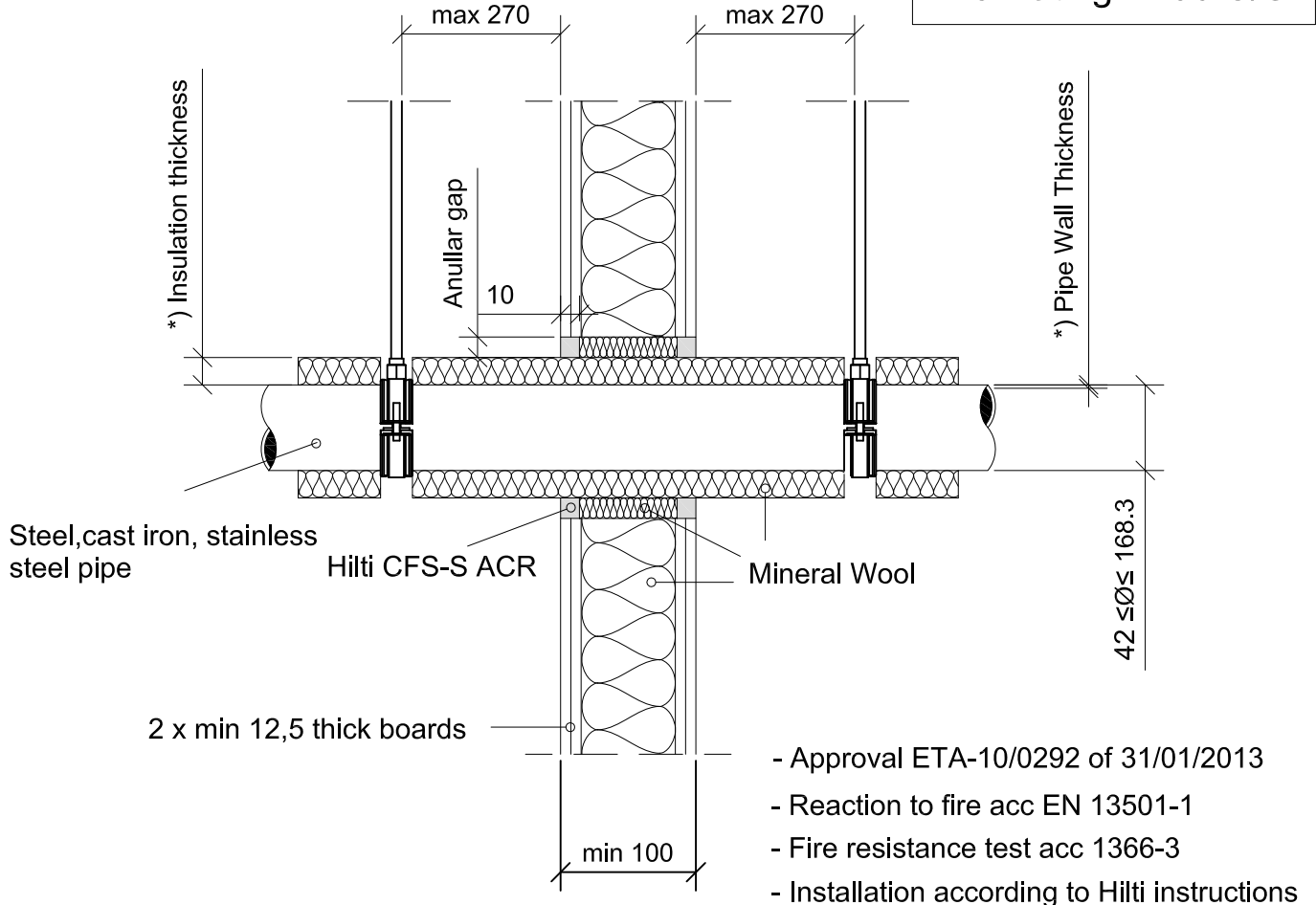
REV

00

No scale

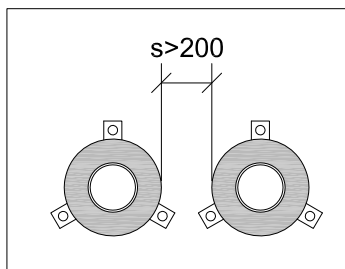
All units are in millimetres

Fire Rating EI 90 C/U



*) Pipe wall and insulation thickness

| Pipe Ø | Pipe Wall Thickness | Insulation Thickness | Insulation | Length on each side |
|------------|---------------------|----------------------|-------------|---------------------|
| 42-88.9 | 1.5/2.0-14.2 | 40 | Sustained | ≥ 500 |
| 48.3-168.3 | 1.6/2.6-14.2 | 40 | Sustained | ≥ 450 |
| 48.3-168.3 | 1.6/2.6-14.2 | 40 | Interrupted | ≥ 700 |
| 168.3 | 2.6-4.5 | 40 | Interrupted | ≥ 500 |



Minimum distance between seals

Sound Insulation for flexible wall

$D_{n,w} = 53 \text{ dB}$
 $R_w = 60 \text{ dB}$



CONTENTS

Metal Pipe in a rigid wall

ID

HEAT-RW-MP-0035

FIRESTOP ACRYLIC SEALANT

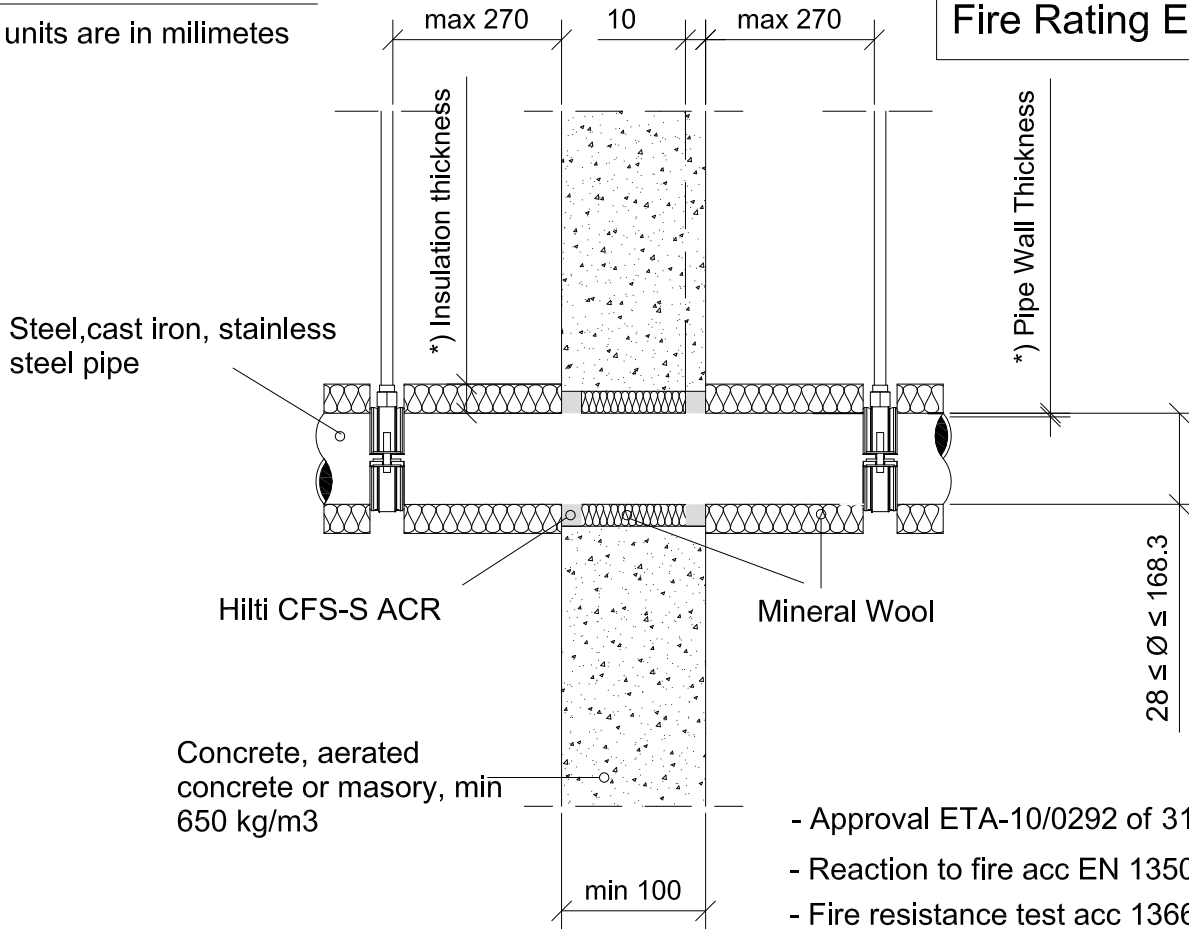
0035_01

REV 00

No scale

All units are in millimetres

Fire Rating EI 120 C/U



- Approval ETA-10/0292 of 31/01/2013
- Reaction to fire acc EN 13501-1
- Fire resistance test acc 1366-3
- Installation according to Hilti instructions

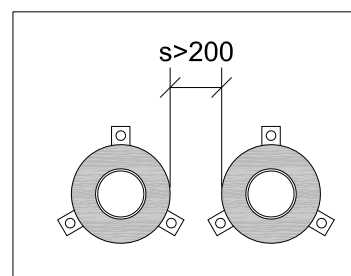
*) Pipe wall thickness and insulation

| Pipe Ø | Pipe Wall Thickness | Insulation Thickness | Other criteria description |
|------------|---------------------|----------------------|-------------------------------------|
| 28-42 | 1.0/1.5-14.2 | ≥ 20 | Interrupted or sustained insulation |
| 42-88.9 | 1.5/2.0-14.2 | ≥ 40 | Interrupted |
| 26.9-48.3 | 1.4/1.6-14.2 | ≥ 20 | Interrupted or sustained insulation |
| 26.9-168.3 | 1.4/2.6-14.2 | ≥ 40 | Interrupted or sustained insulation |

Sound Insulation for rigid wall

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

$$R_w = 58 \text{ dB}$$



Minimum distance between seals



CONTENTS

Metal Pipe in a rigid wall

ID

HEAT-RW-MP-0036

FIRESTOP ACRYLIC SEALANT

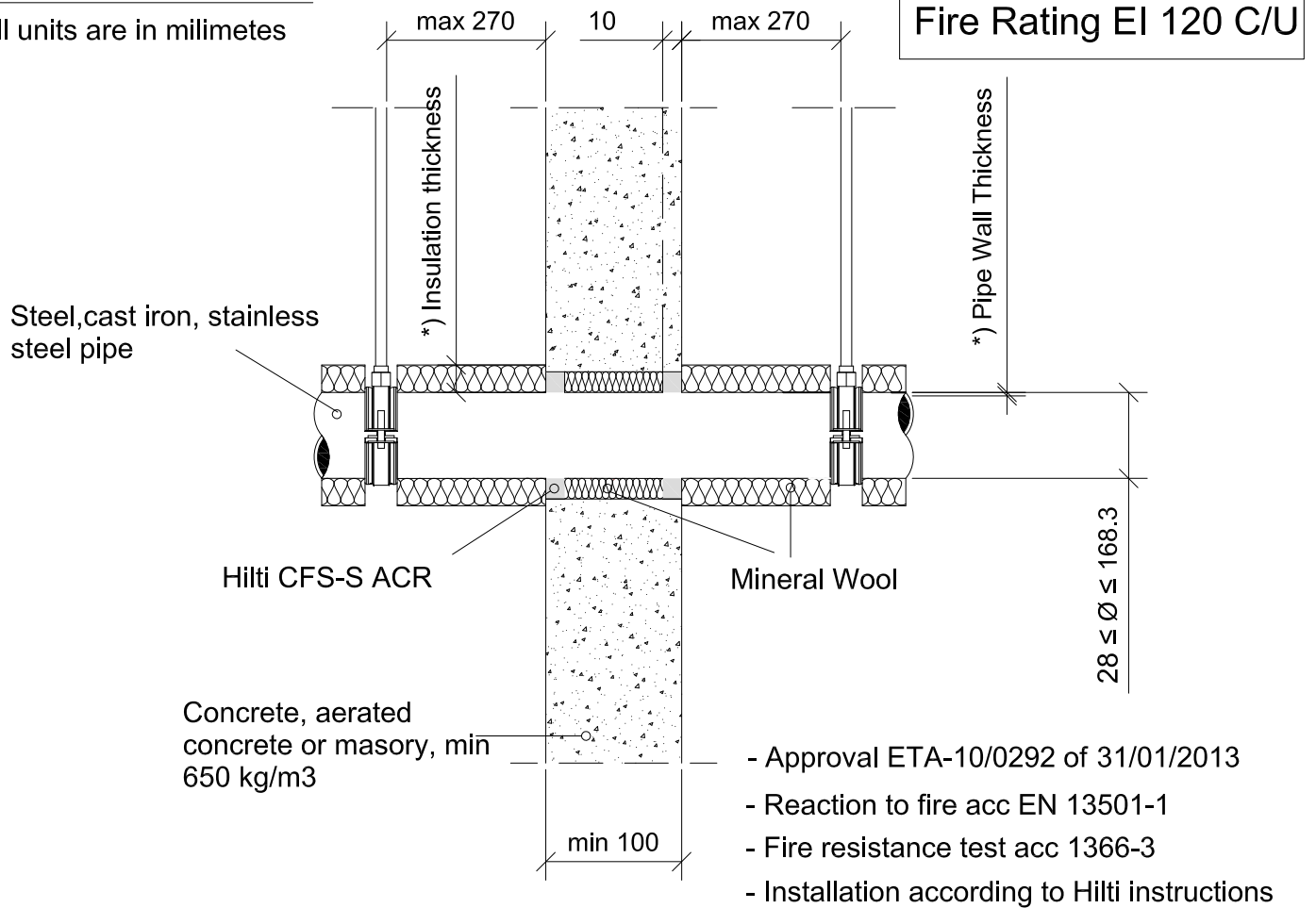
0036_01

REV 00

No scale

All units are in millimetres

Fire Rating EI 120 C/U



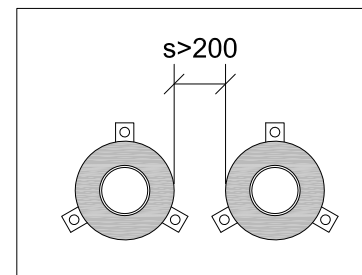
*) Pipe wall thickness and insulation

| Pipe Ø | Pipe Wall Thickness | Insulation Thickness | Insulation | Length on each side |
|------------|---------------------|----------------------|-------------|---------------------|
| 28-42 | 1.0/1.5-14.2 | 20 | Sustained | ≥ 450 |
| 28-42 | 1.0/1.5-14.2 | 20 | Interrupted | ≥ 500 |
| 42 | 1.5-14.2 | 20-40 | Sustained | ≥ 500 |
| 42 | 1.5-14.2 | 20-40 | Interrupted | ≥ 500 |
| 42-88.9 | 1.5/2.0-14.2 | 40 | Interrupted | ≥ 500 |
| 88.9 | 2.0-14.2 | 40 | Interrupted | ≥ 700 |
| 26.9-48.3 | 1.4/1.6-14.2 | 20 | Sustained | ≥ 450 |
| 26.9-48.3 | 1.4/1.6-14.2 | 20 | Interrupted | ≥ 500 |
| 48.3 | 1.6-14.2 | 20-40 | Sustained | ≥ 500 |
| 48.3-168.3 | 1.6/2.6-14.2 | 40 | Sustained | ≥ 700 |
| 168.3 | 4.5-14.2 | 40 | Interrupted | ≥ 500 |
| 168.3 | 2.6-14.2 | 40 | Interrupted | ≥ 700 |

Sound Insulation for rigid wall

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

$$R_w = 58 \text{ dB}$$



Minimum distance between seals



CONTENTS

Metal Pipe in a rigid wall

ID

HEAT-RW-MP-0038

FIRESTOP ACRYLIC SEALANT

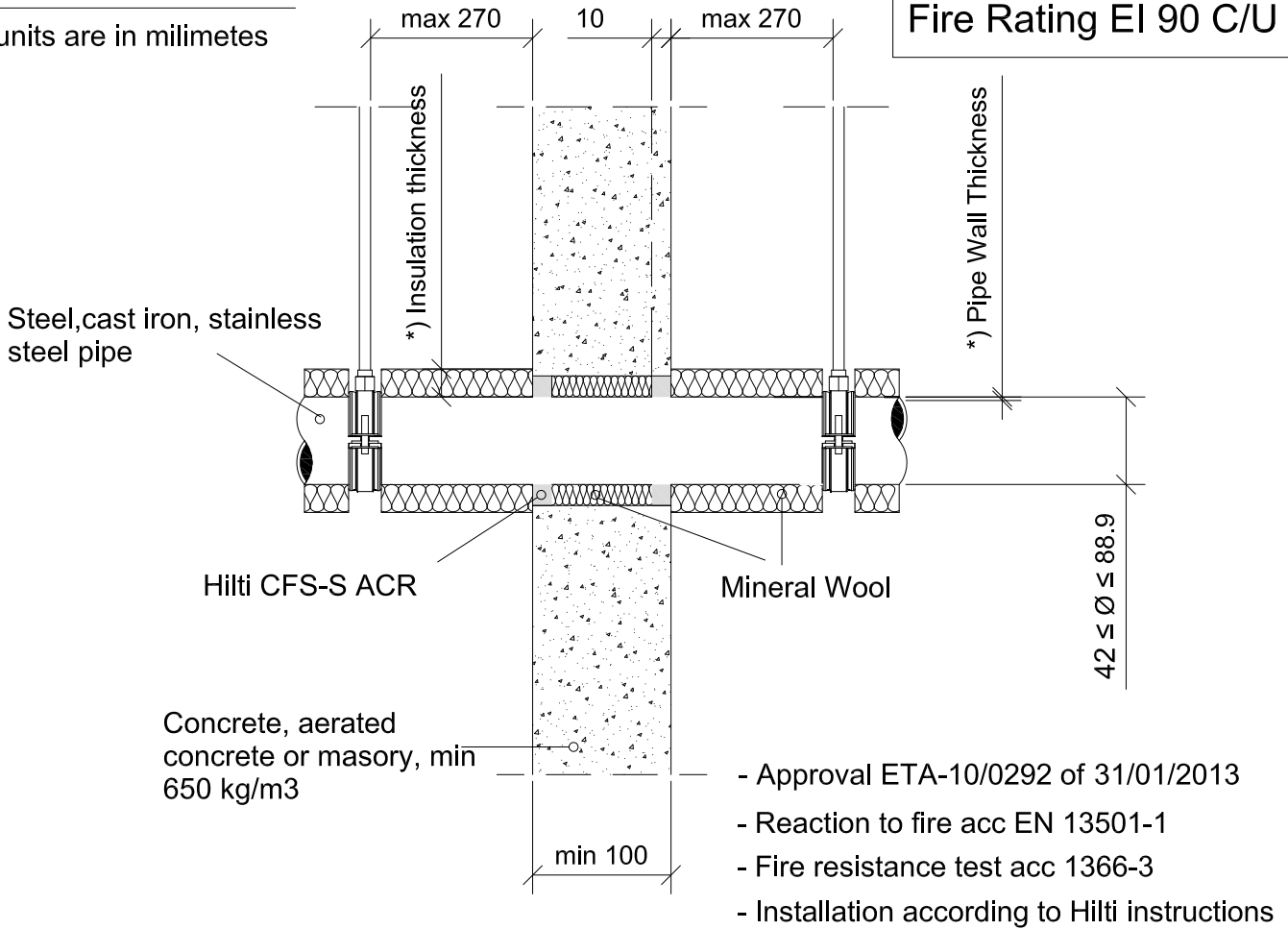
0038_01

REV 00

No scale

All units are in millimetres

Fire Rating EI 90 C/U

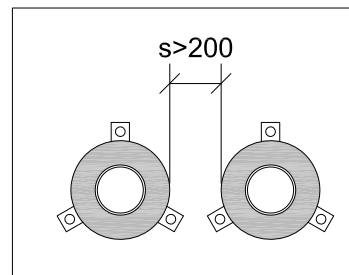


*) Pipe wall and insulation thickness

| Pipe Ø | Pipe Wall Thickness | Insulation Thickness | Other criteria description |
|---------|---------------------|----------------------|----------------------------|
| 42-88.9 | 1.5/2.0-14.2 | ≥ 40 | Sustained insulation |

Sound Insulation for rigid wall

| | |
|-----------|---------|
| $D_{n,w}$ | = 51 dB |
| R_w | = 58 dB |



Minimum distance between seals



CONTENTS

Metal Pipe in a rigid wall

ID

HEAT-RW-MP-0039

FIRESTOP ACRYLIC SEALANT

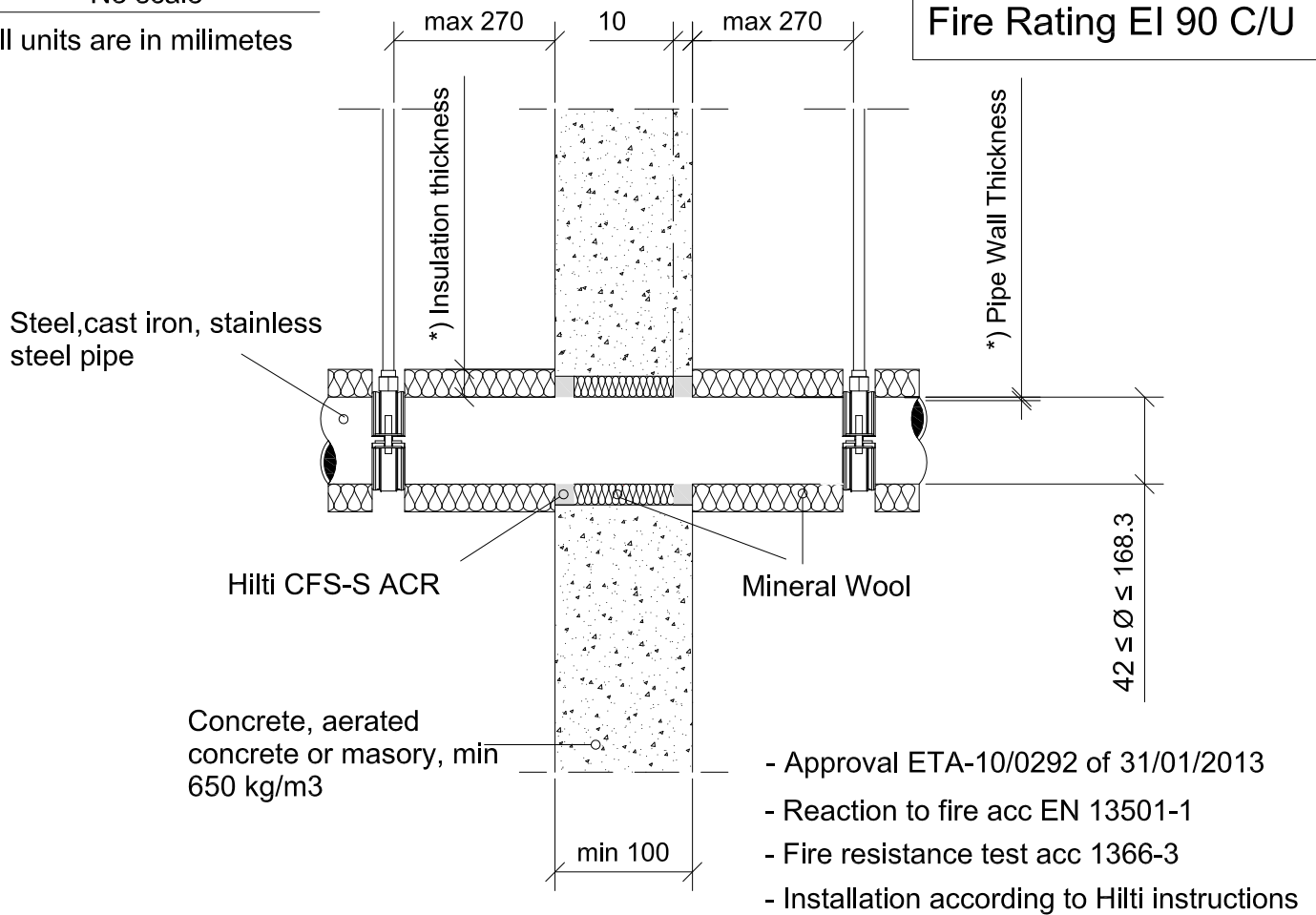
0039_01

REV 00

No scale

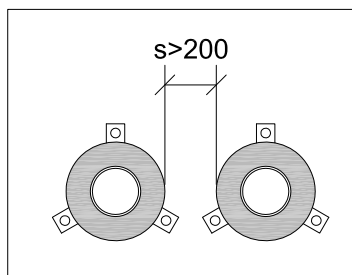
All units are in millimetres

Fire Rating EI 90 C/U



*) Pipe wall thickness and insulation

| Pipe Ø | Pipe Wall Thickness | Insulation Thickness | Insulation | Length on each side |
|------------|---------------------|----------------------|-------------|---------------------|
| 42-88.9 | 1.5/2.0-14.2 | 40 | Sustained | ≥ 500 |
| 48.3-168.3 | 1.6/2.6-14.2 | 40 | Sustained | ≥ 450 |
| 48.3-168.3 | 1.6/2.6-14.2 | 40 | Interrupted | ≥ 700 |
| 168.3 | 2.6-4.5 | 40 | Interrupted | ≥ 500 |



Minimum distance between seals

Sound Insulation for rigid wall

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

$$R_w = 58 \text{ dB}$$



CONTENTS

Metal Pipe in a rigid floor

ID

HEAT-RF-MP-0044

FIRESTOP ACRYLIC SEALANT

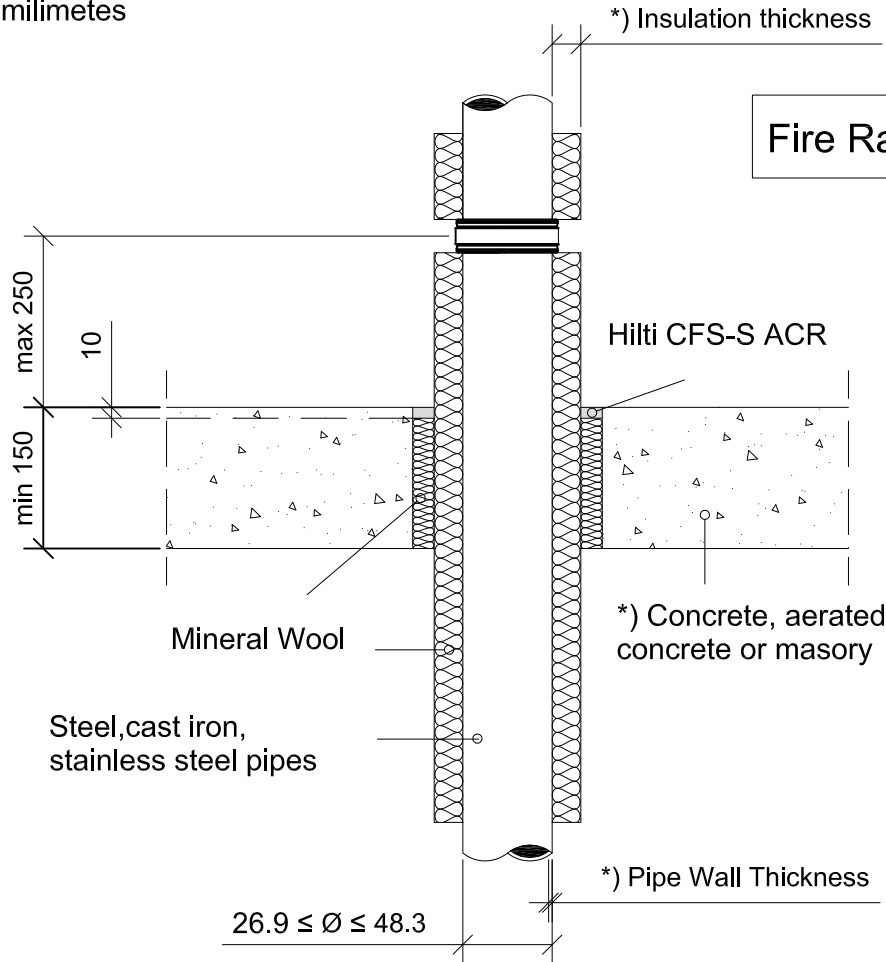
0044_01

REV

00

No scale

All units are in milimetres

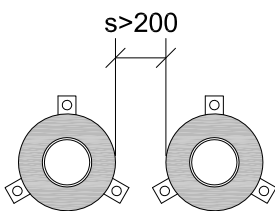


Fire Rating EI 180 C/U

*) Pipe wall and insulation thickness

| Density Base Material | Pipe Ø | Pipe Wall Thickness | Insulation Thickness | Insulation | Seal diameter |
|-------------------------|--------|---------------------|----------------------|------------|---------------|
| ≥2400 kg/m ³ | 28 | 1.0-14.2 | ≥20 | Sustained | ≤ 260 |

| Density Base Material | Pipe Ø | Pipe Wall Thickness | Insulation Thickness | Insulation | Annular Space |
|------------------------|-----------|---------------------|----------------------|------------|---------------|
| ≥550 kg/m ³ | 26.9-48.3 | 1.4/1.6-14.2 | ≥20 | Sustained | 13-48 |
| | 26.9-48.3 | 1.4/1.6-14.2 | ≥20 | Sustained | 13-48 |



Minimum distance between seals

- Approval ETA-10/0292 of 31/01/2013
- Reaction to fire acc EN 13501-1
- Fire resistance test acc 1366-3
- Installation according to Hilti instructions



CONTENTS

Metal Pipe in a rigid floor

ID

HEAT-RF-MP-0045

FIRESTOP ACRYLIC SEALANT

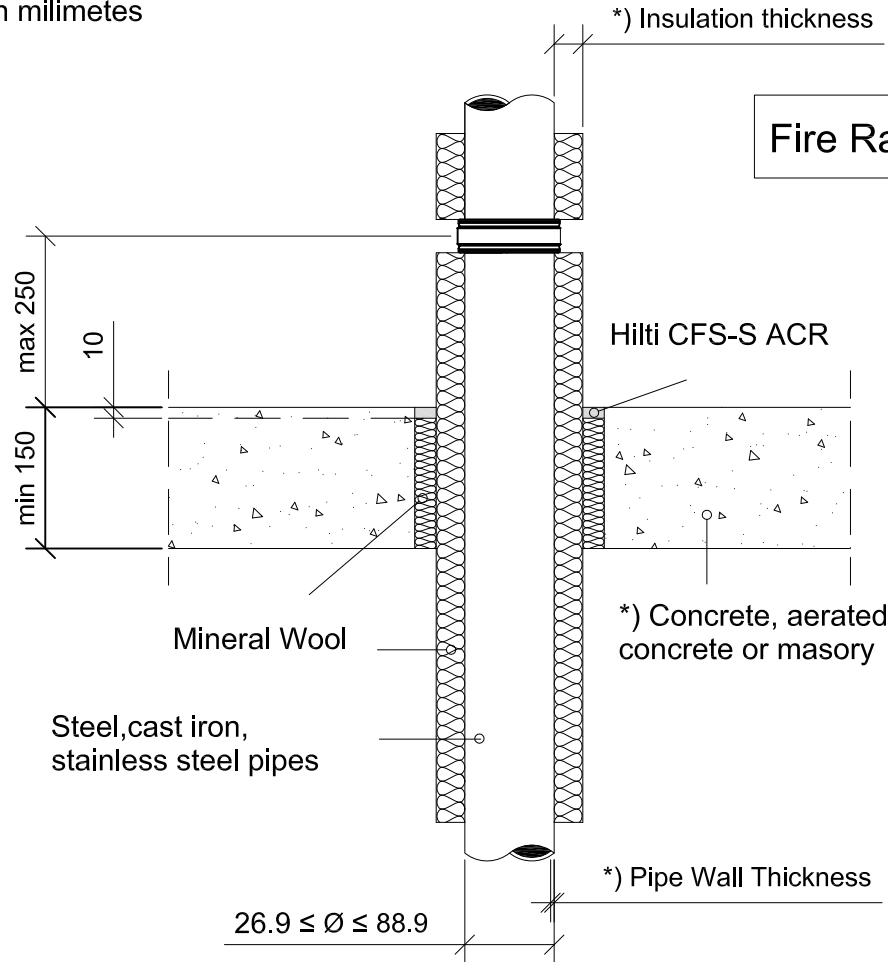
0045_01

REV

00

No scale

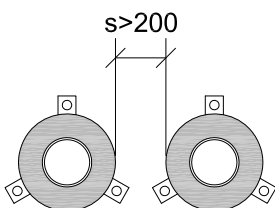
All units are in millimetres



*) Pipe wall and insulation thickness

| Density Base Material | Pipe Ø | Pipe Wall Thickness | Insulation Thickness | Insulation | Seal diameter | Length on each side |
|-------------------------|--------|---------------------|----------------------|-------------|---------------|---------------------|
| ≥2400 kg/m ³ | 28 | 1.0/1.5-14.2 | 20 | Sustained | ≤ 260 | ≥425 |
| | 88.9 | 2.0-14.2 | ≥40 | Sustained | ≤ 260 | ≥700 |
| | 88.9 | 2.0-14.2 | ≥40 | Interrupted | ≤ 260 | ≥500 |

| Density Base Material | Pipe Ø | Pipe Wall Thickness | Insulation Thickness | Insulation | Annular Space | Length on each side |
|------------------------|-----------|---------------------|----------------------|-------------|---------------|---------------------|
| ≥550 kg/m ³ | 88.9 | 2.0-14.2 | 40 | Sustained | 13-48 | ≥700 |
| | 26.9-48.3 | 1.4/1.6-14.2 | 20 | Sustained | 13-48 | ≥450 |
| | 26.9-48.3 | 1.4/1.6-14.2 | 20 | Interrupted | 13-48 | ≥450 |



Minimum distance between seals

- Approval ETA-10/0292 of 31/01/2013
- Reaction to fire acc EN 13501-1
- Fire resistance test acc 1366-3
- Installation according to Hilti instructions

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Metal Pipe in a rigid floor

ID

HEAT-RF-MP-0046

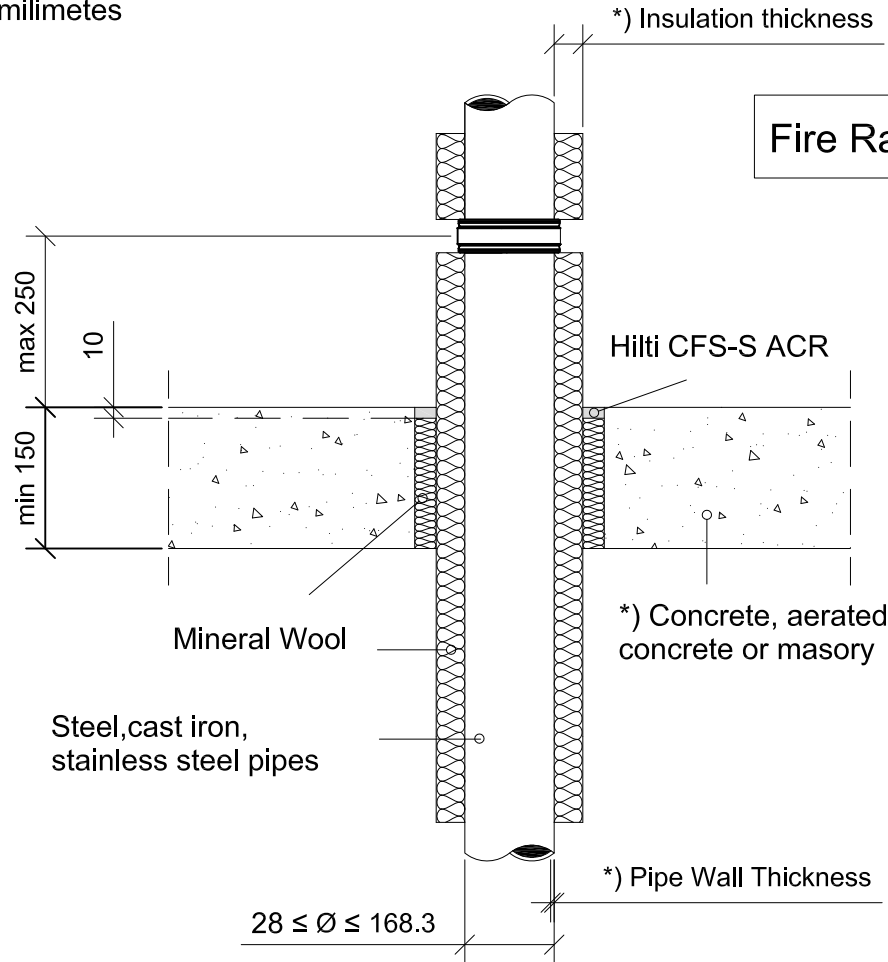
FIRESTOP ACRYLIC SEALANT

0046_01

REV
00

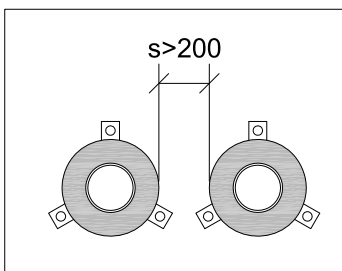
No scale

All units are in millimetres



*) Pipe wall and insulation thickness

| Density Base Material | Pipe \varnothing | Pipe Wall Thickness | Insulation Thickness | Insulation | Seal diameter |
|----------------------------|--------------------|---------------------|----------------------|-------------|---------------|
| $\geq 550 \text{ kg/m}^3$ | 28-42 | 1.0/1.5-14.2 | >20 | Interrupted | ≤ 300 |
| | 42 | 1.5-14.2 | >20 | Sustained | ≤ 300 |
| | 42 | 1.5-14.2 | >40 | Interrupted | ≤ 300 |
| | 26.9-168.3 | 1.4/2.6-14.2 | >40 | Sustained | ≤ 300 |
| | 26.9-168.3 | 1.4/2.6-14.2 | >40 | Interrupted | ≤ 300 |
| $\geq 2400 \text{ kg/m}^3$ | 28-42 | 1.0/1.5-14.2 | >20 | Sustained | ≤ 300 |
| | 28-42 | 1.0/1.5-14.2 | >20 | Interrupted | ≤ 300 |
| | 42-88.9 | 1.5/2.0-14.2 | 40 | Interrupted | ≤ 300 |



Minimum distance between seals

- Approval ETA-10/0292 of 31/01/2013
- Reaction to fire acc EN 13501-1
- Fire resistance test acc 1366-3
- Installation according to Hilti instructions

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CONTENTS

Metal Pipe in a rigid floor

ID

HEAT-RF-MP-0047

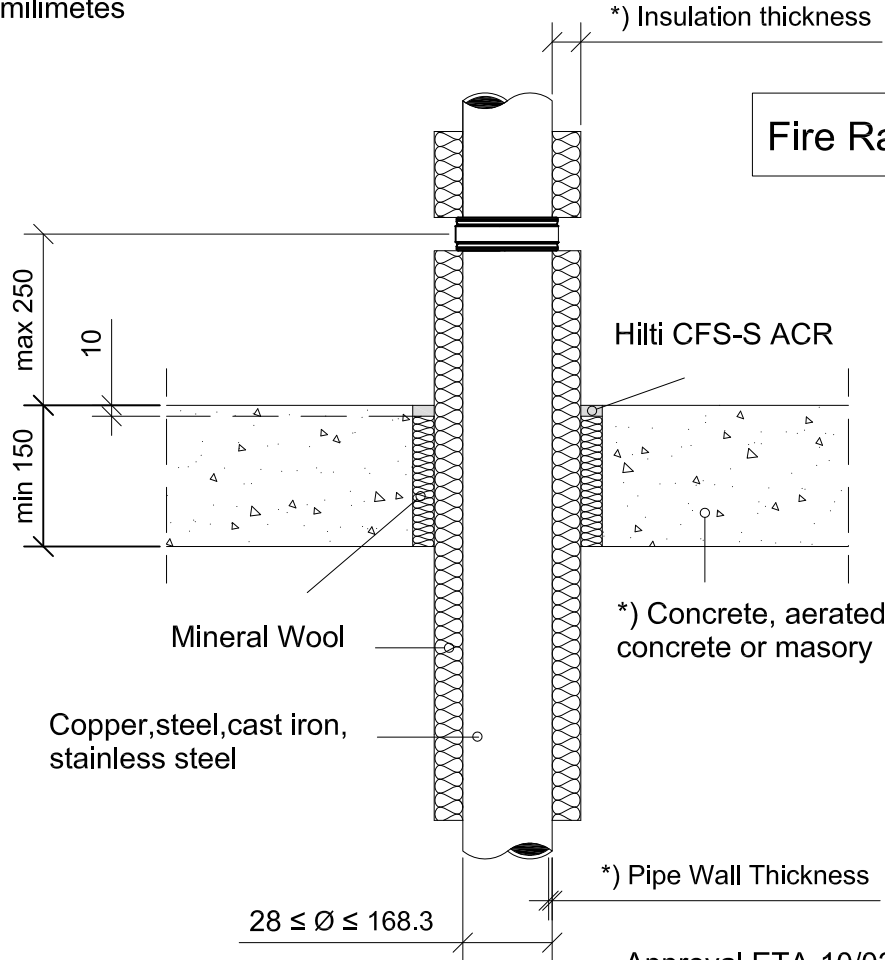
FIRESTOP ACRYLIC SEALANT

0047_01

REV
00

No scale

All units are in millimetres

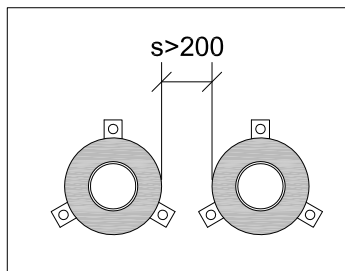


Fire Rating EI 120 C/U

- Approval ETA-10/0292 of 31/01/2013
- Reaction to fire acc EN 13501-1
- Fire resistance test acc 1366-3
- Installation according to Hilti instructions

*) Pipe wall and insulation thickness

| Density Base Material | Pipe Ø | Pipe Wall Thickness | Insulation Thickness | Insulation | Seal diameter | Length on each side |
|-------------------------|---------|---------------------|----------------------|-------------|---------------|---------------------|
| ≥550 kg/m ³ | 28-42 | 1.0/1.5-14.2 | 20-40 | Interrupted | ≤ 300 | ≥600 |
| | 28-42 | 1.0/1.5-14.2 | 40 | Interrupted | ≤ 300 | ≥500 |
| | 42 | 1.5-14.2 | 20 | Sustained | ≤ 300 | ≥450 |
| | 42 | 1.5-14.2 | 20-40 | Sustained | ≤ 300 | ≥700 |
| | 42 | 1.5-14.2 | 20-40 | Interrupted | ≤ 300 | ≥500 |
| | 42-88.9 | 1.5/2.0-14.2 | 40 | Sustained | ≤ 300 | ≥700 |
| | 168.3 | 2.6-4.5 | 40 | Sustained | ≤ 300 | ≥700 |
| | 168.3 | 2.6-4.5 | 40 | Interrupted | ≤ 300 | ≥500 |
| ≥2400 kg/m ³ | 28-42 | 1.0/1.5-14.2 | 20 | Sustained | ≤ 300 | ≥450 |
| | 28-42 | 1.0/1.5-14.2 | 20-40 | Interrupted | ≤ 300 | ≥500 |
| | 28-42 | 1.0/1.5-14.2 | 20-40 | Sustained | ≤ 300 | ≥700 |
| | 42 | 1.5-14.2 | 20-40 | Sustained | ≤ 300 | ≥700 |
| | 42-88.9 | 1.5/2.0-14.2 | 40 | Sustained | ≤ 300 | ≥700 |
| | 42-88.9 | 1.5/2.0-14.2 | 40 | Interrupted | ≤ 300 | ≥500 |



Minimum distance between seals

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CONTENTS

Metal Pipe in a rigid floor

ID

HEAT-RF-MP-0050

FIRESTOP ACRYLIC SEALANT

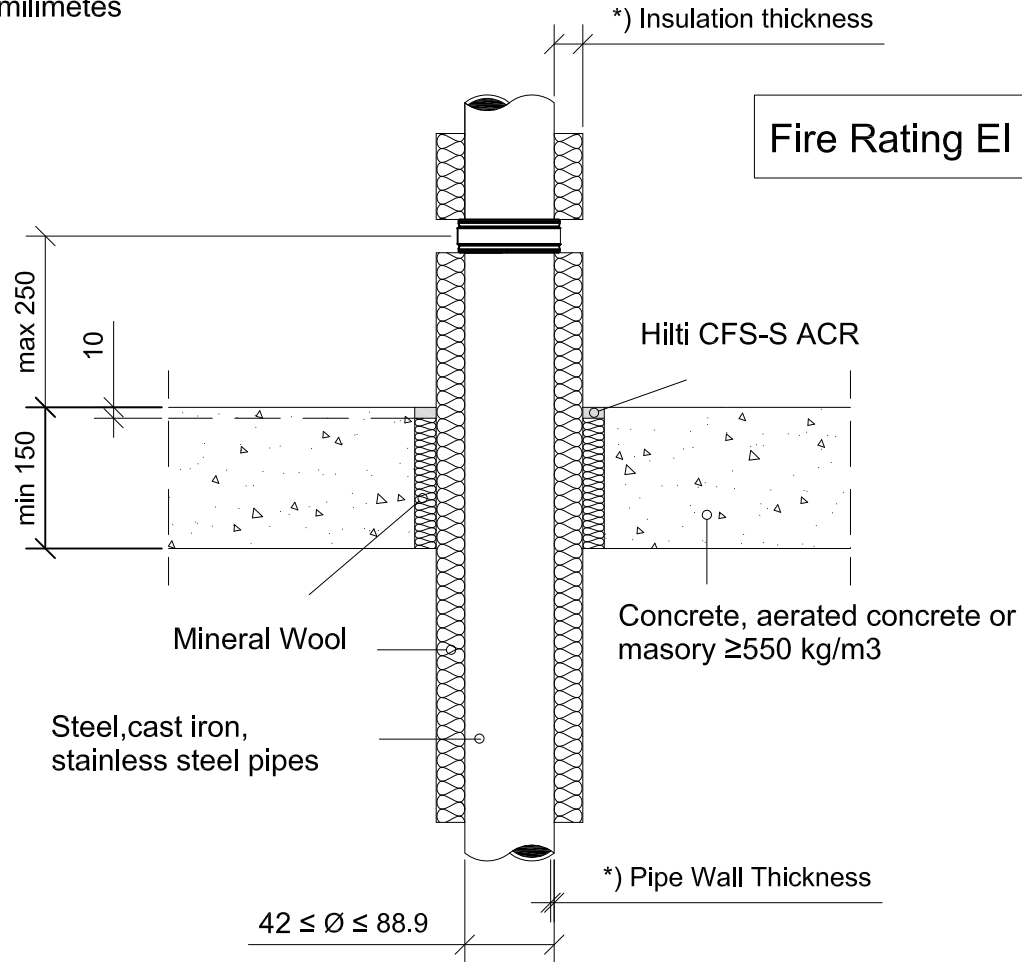
0050_01

REV

00

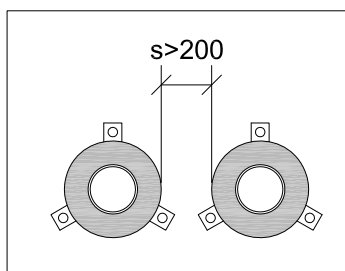
No scale

All units are in millimetres



*) Pipe wall and insulation thickness

| Pipe Ø | Pipe Wall Thickness | Insulation Thickness | Insulation | Seal diameter |
|---------|---------------------|----------------------|------------|---------------|
| 42-88.9 | 1.5/2.0-14.2 | ≥40 | Sustained | ≤ 300 |



Minimum distance between seals

- Approval ETA-10/0292 of 31/01/2013
- Reaction to fire acc EN 13501-1
- Fire resistance test acc 1366-3
- Installation according to Hilti instructions



CONTENTS

Metal Pipe in a rigid floor

ID

HEAT-RF-MP-0051

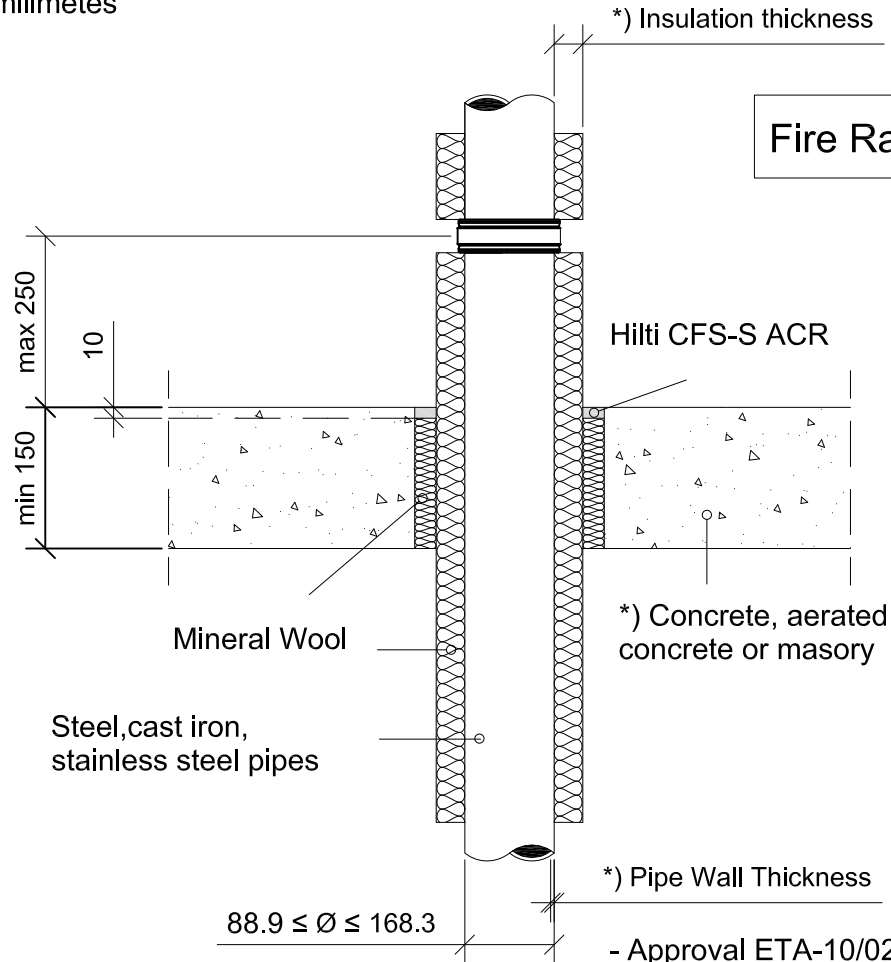
FIRESTOP ACRYLIC SEALANT

0051_01

REV
00

No scale

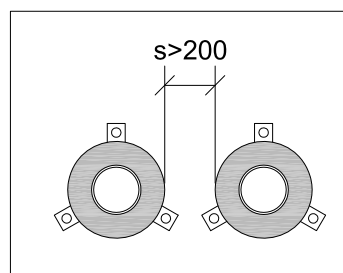
All units are in millimetres



- Approval ETA-10/0292 of 31/01/2013
- Reaction to fire acc EN 13501-1
- Fire resistance test acc 1366-3
- Installation according to Hilti instructions

*) Pipe wall and insulation thickness

| Density Base Material | Pipe Ø | Pipe Wall Thickness | Insulation Thickness | Insulation | Seal diameter | Length on each side |
|------------------------|--------|---------------------|----------------------|------------|---------------|---------------------|
| ≥550 kg/m ³ | 88.9 | 2.0-14.2 | 40 | Sustained | ≤ 300 | ≥500 |
| | 168.3 | 2.6-4.5 | 40 | Sustained | ≤ 300 | ≥500 |



Minimum distance between seals