PROTECTA® FR ACRYLIC
INSTALLATION INSTRUCTIONS

INDEX FOR DETAILED DRAWINGS

For guidance on fire sealing ventilation ducts, please refer to Protecta FR Damper's Technical Data Sheet.

GENERAL PRODUCT DESCRIPTION

Protecta® FR Acrylic is a high specification formulation designed to prevent the spread of fire, smoke and gases through openings in fire rated walls and floors; specifically linear movement joints and openings for building service penetrations. FR Acrylic expands when it is subjected to fire and closes openings around penetrations when any combustible or low temperature melting materials have burnt away. FR Acrylic should be applied over suitable backing materials to ensure correct width to depth ratio, and to reduce shrinkage of the joint during hardening.

GENERAL GUIDE

Minimum separations and limitations: Services (single) can be sealed as specified in the detailed drawings. Minimum separation between services and the edge of the seal within each aperture should be 10mm to allow for correct fitting of backing and seal depth. Minimum separation between apertures should be at least 30mm. For larger joint dimensions or apertures other than described in the detailed drawings, Protecta® FR Board or EX Mortar should be used. In areas with a high degree of humidity and/or in joints with excessive movement, Protecta® FR IPT should be used.

Supporting constructions: Flexible walls must have a minimum thickness of 75 mm and comprise steel studs or timber studs*) lined on both faces with minimum 1 layer of 12.5 mm thick boards. Rigid walls must have a minimum thickness of 75 mm and comprise concrete, aerated concrete or masonry, with a minimum density of 650 kg/m^3. Rigid floors must have a minimum thickness of 150 mm and comprise aerated concrete or concrete with a minimum density of 650 kg/m^3. The supporting construction must be classified in accordance with EN 13501-2 for the required fire resistance period.

*) Timber studs: no part of the penetration seal may be closer than 100 mm to a stud, and minimum 100 mm of insulation of class A1 or A2 according to EN 13501-1 must be provided within the cavity between the penetration seal and the stud. In linear seals, there is no minimum distance and insulation required.

INSTALLATION

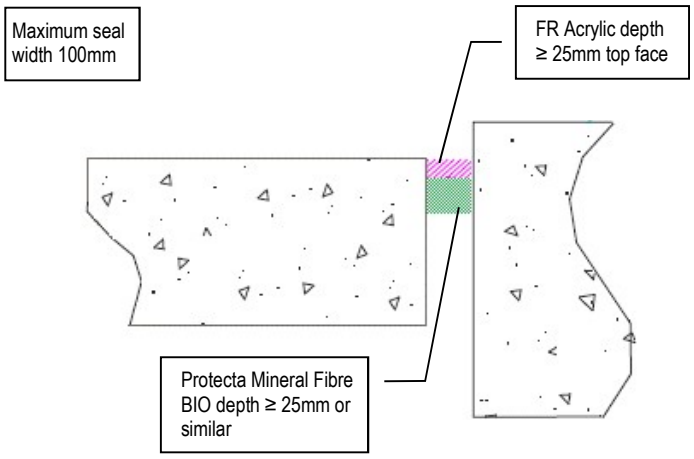
1. Before installing Protecta® FR Acrylic, ensure that the surface of all service penetrations and surrounding construction is free from all loose contaminants, dust and grease.
2. Where Protecta® FR Acrylic is to be installed against surfaces that cannot tolerate direct contact; appropriate surface preparation should be made (contact Polyseam for guidance in these cases). For paints sensitive to sealing compounds, priming with a PVA primer is recommended.
3. As Protecta® FR Acrylic is water based, in cases where corrosion protection is a problem; some metals may require a barrier between the sealant and the metal surface prior to this installation.
4. When installing the sealant in gypsum boards, the exposed edges of the board can be wetted with water, or Protecta® FR Acrylic diluted with water to prime the surfaces, helping adhesion and preventing excessive joint shrinkage.
5. When installing Protecta® FR Acrylic in hollow floor slabs or boards, fire seals specified as single sided should be installed from the soffit side of the floor assuming there is sufficient thickness of concrete below the void to follow the installation guide. Where this is not the case, tubular voids should be filled with stone wool, normally the same thickness as the depth of the floor slab. Alternatively, simply fire seal on both sides.
6. When installing any backing material, cut this slightly oversize and insert into the gap ensuring a tight friction fit. Ensure correct depth is achieved.
7. Fill the gap or joint with Protecta® FR Acrylic to the required depth. Refer to the drawings on following pages 2 to 26 for guidance on joint design/dimensions. If installation does not have to meet any specific fire specification, it is recommended that a width to depth ratio of 2:1 is utilized, with a minimum depth of 12mm of sealant.
8. Apply the sealant generously to prevent air bubbles. Finish the bead with a moist spatula, pallet knife or brush.
9. Protecta® FR Acrylic can be over-painted with most emulsion or alkyd (gloss) paints.

ETA
Installation Instructions to
ETA 13/0879 & 18/0904

www.protecta.eu
Polyseam Ltd tel.+44(0)1484421036
1 (26) 2019 11 11

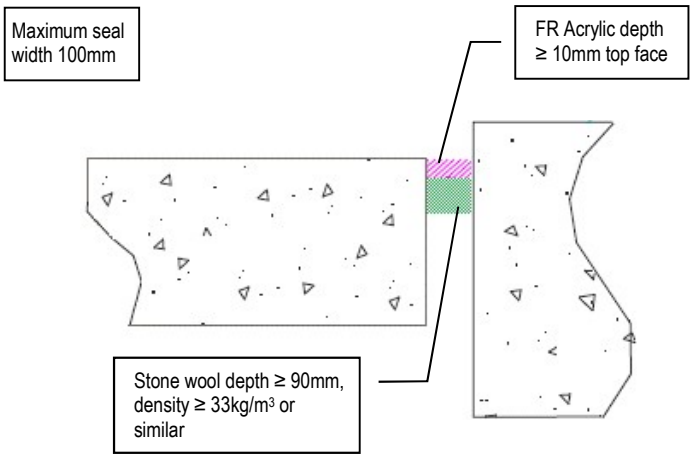
LINEAR SEALS FIRE RESISTANCE EI 180 (E 180)

IN RIGID FLOORS OR BETWEEN FLOORS AND WALLS



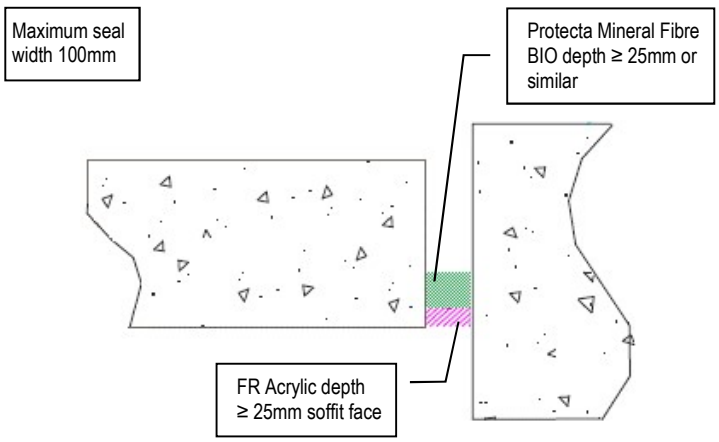
LINEAR SEALS FIRE RESISTANCE EI 240 (E 240)

IN RIGID FLOORS OR BETWEEN FLOORS AND WALLS



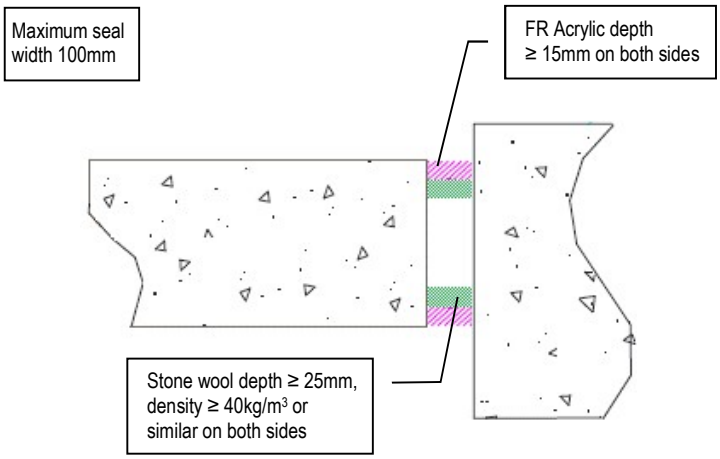
LINEAR SEALS FIRE RESISTANCE EI 60 (E 120)

IN RIGID FLOORS OR BETWEEN FLOORS AND WALLS



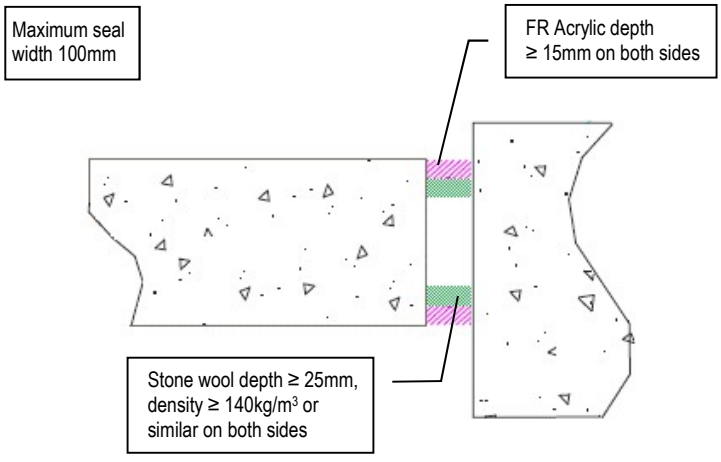
LINEAR SEALS FIRE RESISTANCE EI 120 (E 120)

IN RIGID FLOORS OR BETWEEN FLOORS AND WALLS



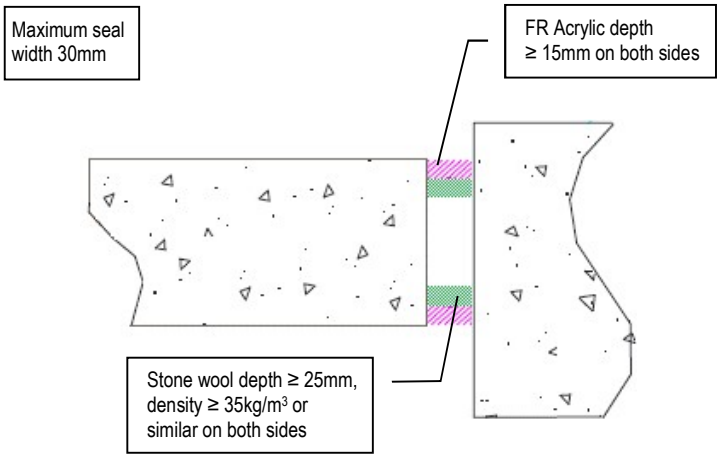
LINEAR SEALS FIRE RESISTANCE EI 180 (E 180)

IN RIGID FLOORS OR BETWEEN FLOORS AND WALLS



LINEAR SEALS FIRE RESISTANCE EI 240 (E 240)

IN RIGID FLOORS OR BETWEEN FLOORS AND WALLS

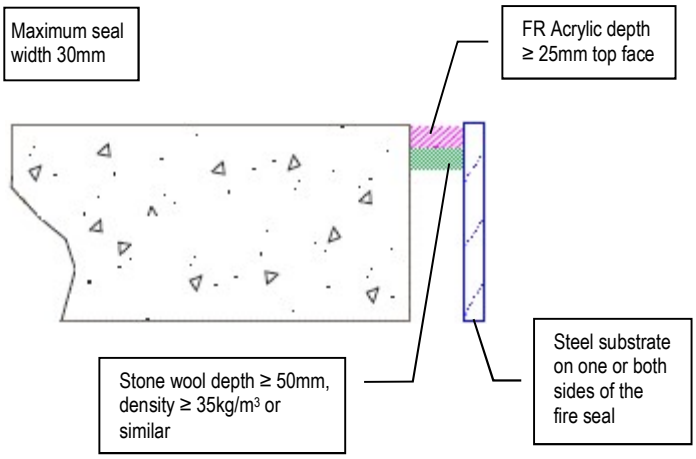


ETA
Installation Guide to
ETA 13/0879 & 18/0904

www.protecta.eu
Polyseam Ltd tel.+44(0)1484421036
2 (26) 2019 11 11

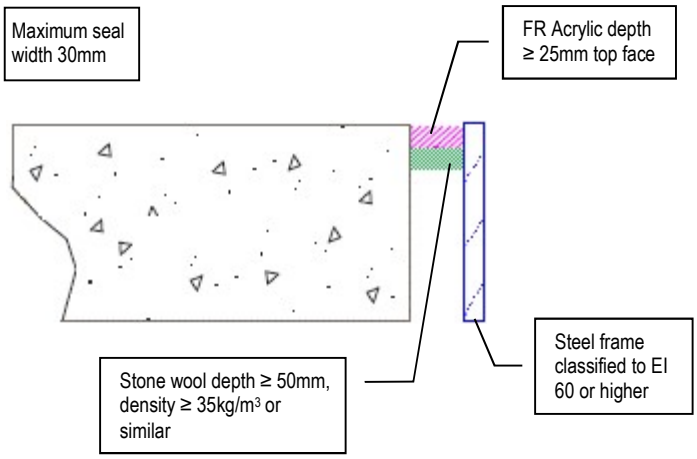
LINEAR SEALS FIRE RESISTANCE EI 30 (E 240)

IN RIGID FLOORS OR BETWEEN FLOORS AND WALLS



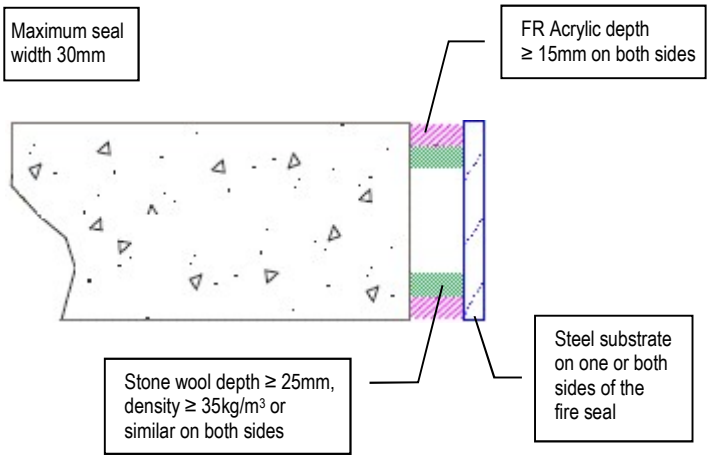
LINEAR SEALS FIRE RESISTANCE EI 60 (E 240)

IN RIGID FLOORS OR BETWEEN FLOORS AND WALLS



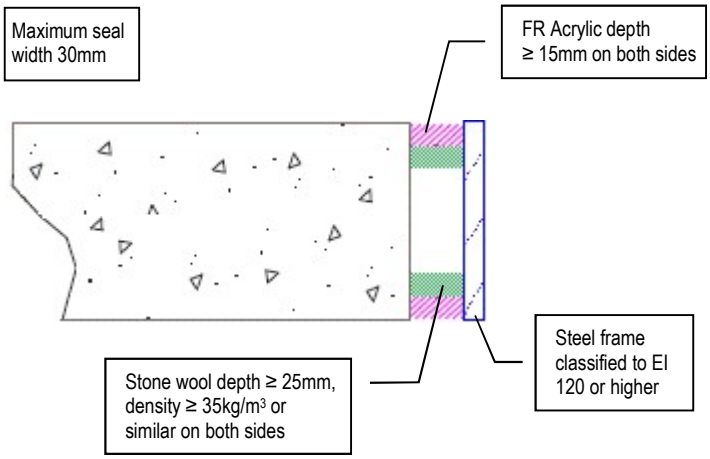
LINEAR SEALS FIRE RESISTANCE EI 45 (E 240)

IN RIGID FLOORS OR BETWEEN FLOORS AND WALLS



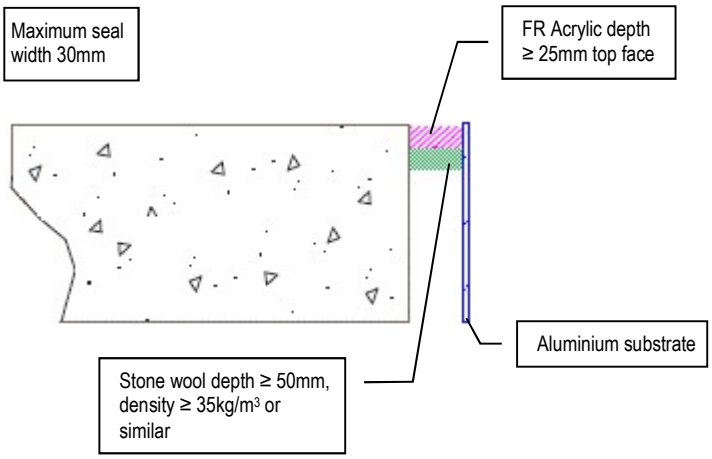
LINEAR SEALS FIRE RESISTANCE EI 120 (E 240)

IN RIGID FLOORS OR BETWEEN FLOORS AND WALLS



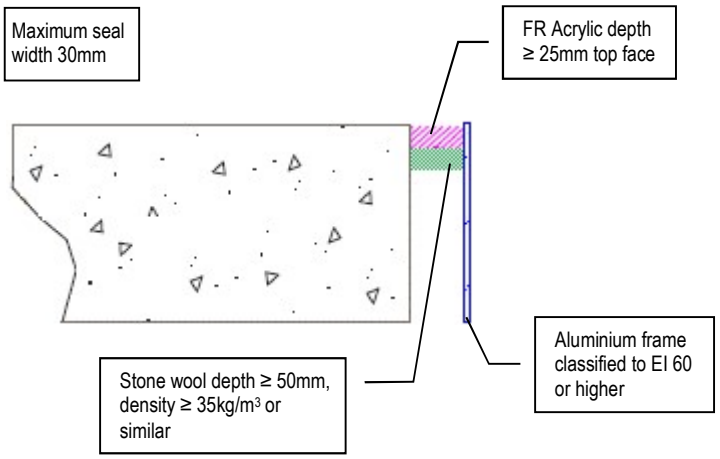
LINEAR SEALS FIRE RESISTANCE EI 20 (E 180)

IN RIGID FLOORS OR BETWEEN FLOORS AND WALLS



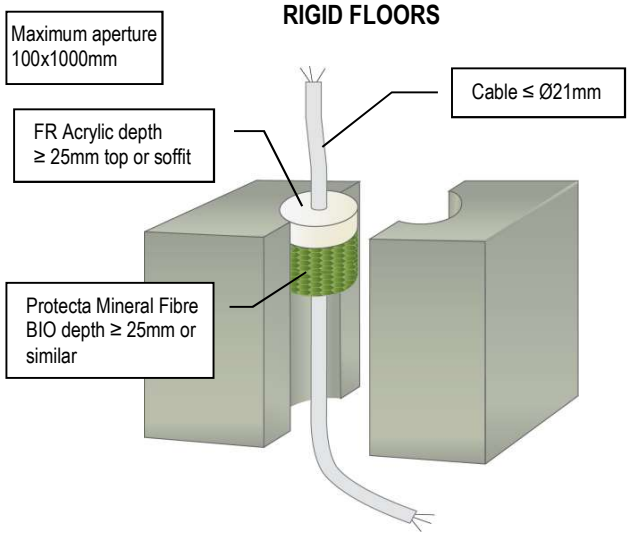
LINEAR SEALS FIRE RESISTANCE EI 60 (E 180)

IN RIGID FLOORS OR BETWEEN FLOORS AND WALLS



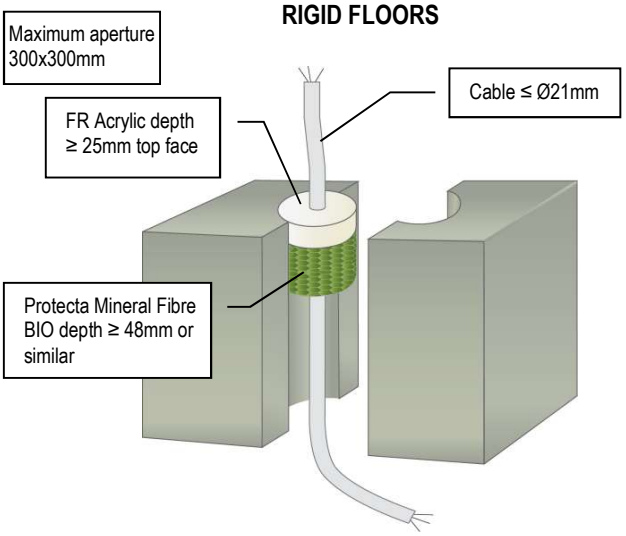
CABLE FIRE RESISTANCE EI 60 (E 120)

RIGID FLOORS



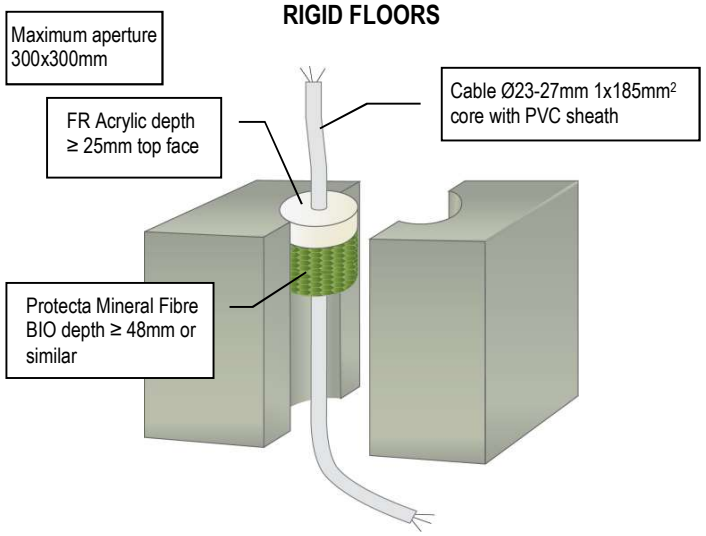
CABLE FIRE RESISTANCE EI 90 (E 120)

RIGID FLOORS



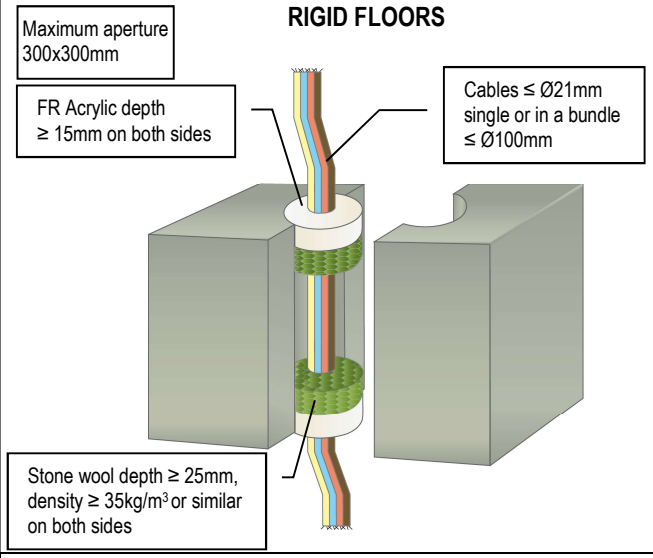
CABLE FIRE RESISTANCE EI 240 (E 240)

RIGID FLOORS



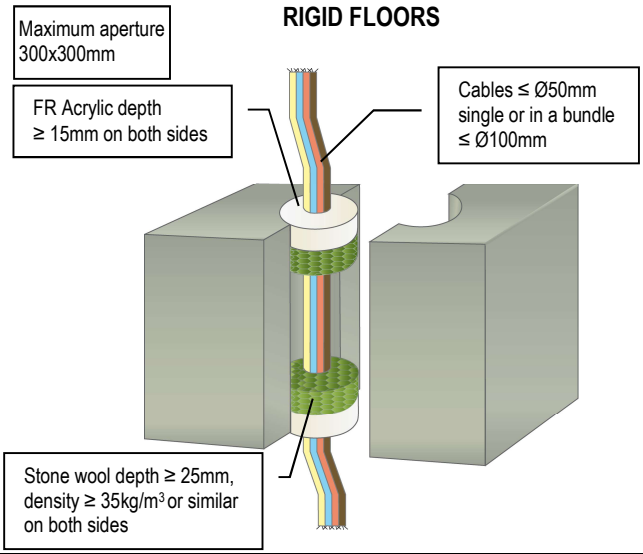
CABLES FIRE RESISTANCE EI 120 (E 120)

RIGID FLOORS



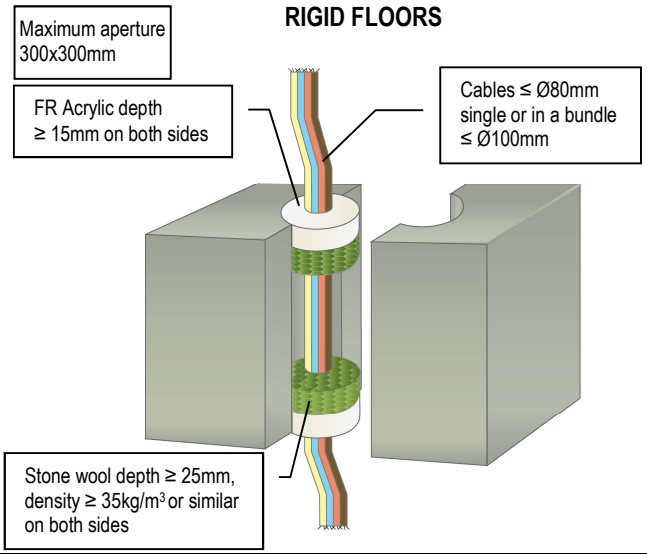
CABLES FIRE RESISTANCE EI 90 (E 120)

RIGID FLOORS



CABLES FIRE RESISTANCE EI 60 (E 120)

RIGID FLOORS



ETA
Installation Guide to
ETA 13/0879 & 18/0904

www.protecta.eu
Polyseam Ltd tel.+44(0)1484421036
4 (26) 2019 11 11

STEEL PIPE FIRE RESISTANCE EI 120 C/U (E 120 C/U)

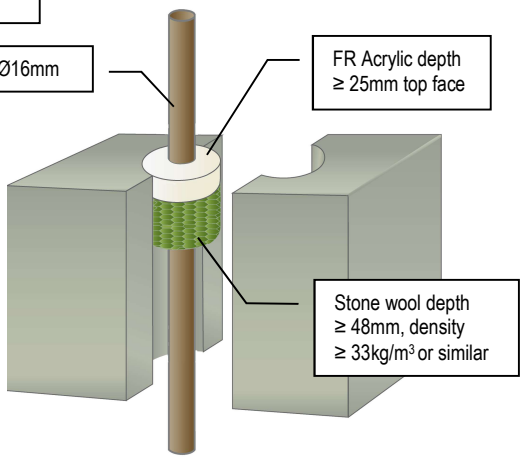
RIGID FLOORS

Maximum aperture 300x300mm

Steel pipe ≤ Ø16mm

FR Acrylic depth ≥ 25mm top face

Stone wool depth ≥ 48mm, density ≥ 33kg/m³ or similar



STEEL PIPE FIRE RESISTANCE EI 240 C/U (E 240 C/U)

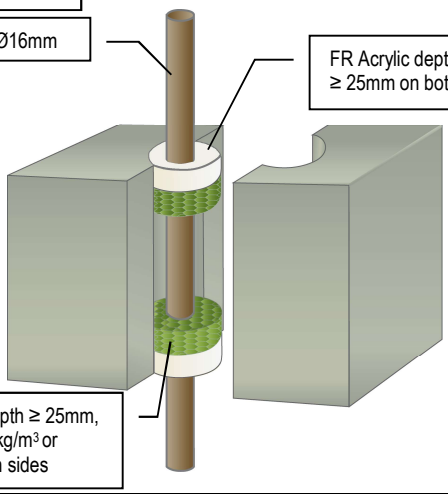
RIGID FLOORS

Maximum aperture 300x300mm

Steel pipe ≤ Ø16mm

FR Acrylic depth ≥ 25mm on both sides

Stone wool depth ≥ 25mm, density ≥ 140kg/m³ or similar on both sides



STEEL PIPE FIRE RESISTANCE E 120 C/U

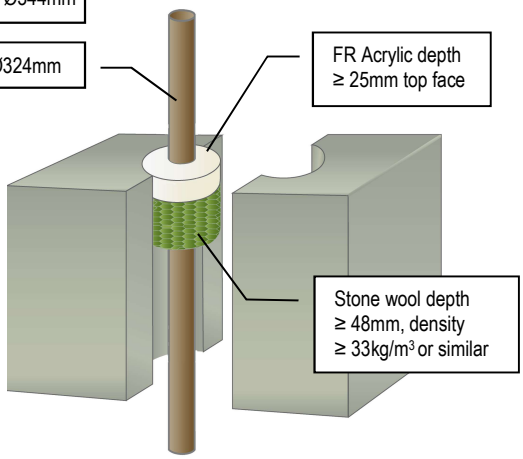
RIGID FLOORS

Maximum aperture 300x300mm or Ø344mm

Steel pipe ≤ Ø324mm

FR Acrylic depth ≥ 25mm top face

Stone wool depth ≥ 48mm, density ≥ 33kg/m³ or similar



INSULATED STEEL PIPE FIRE RESISTANCE EI 240 C/U (E 240)

RIGID FLOORS

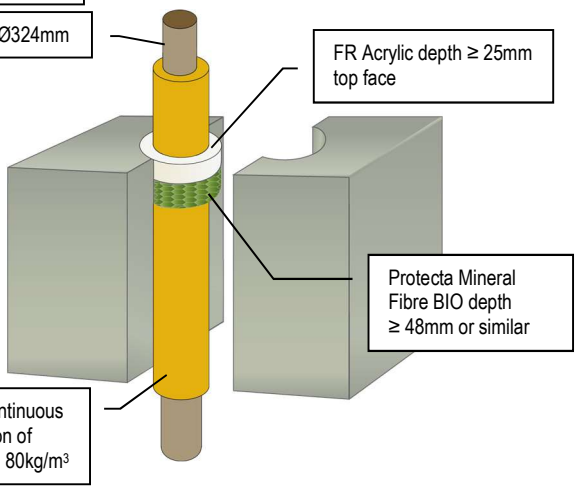
Maximum aperture 300x300mm or Ø504mm

Steel pipe ≤ Ø324mm

FR Acrylic depth ≥ 25mm top face

Protecta Mineral Fibre BIO depth ≥ 48mm or similar

20-80mm continuous pipe insulation of stone wool ≥ 80kg/m³



STEEL PIPE FIRE RESISTANCE EI 60 C/U (E 90 C/U)

RIGID FLOORS

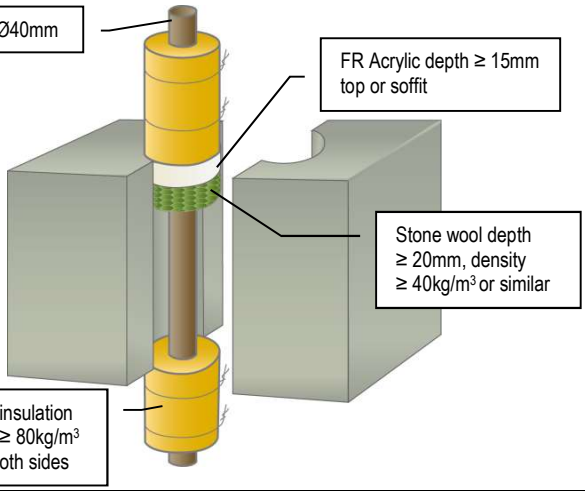
Maximum aperture 300x300mm

Steel pipe ≤ Ø40mm

FR Acrylic depth ≥ 15mm top or soffit

Stone wool depth ≥ 20mm, density ≥ 40kg/m³ or similar

≥ 20mm pipe insulation of stone wool ≥ 80kg/m³ ≥ 100cm on both sides



STEEL PIPE FIRE RESISTANCE EI 90 C/U (E 120 C/U)

RIGID FLOORS

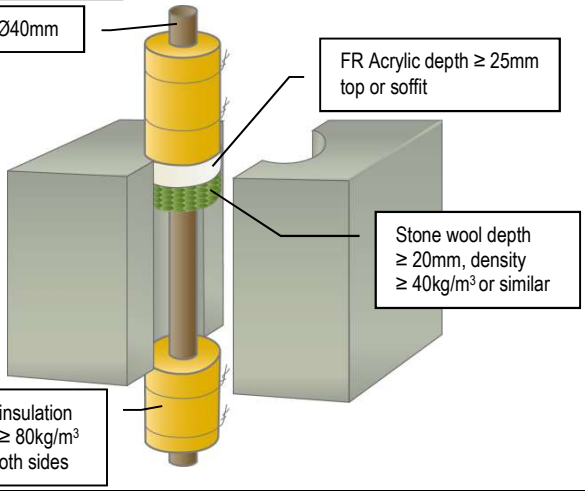
Maximum aperture 300x300mm or 100x1000mm

Steel pipe ≤ Ø40mm

FR Acrylic depth ≥ 25mm top or soffit

Stone wool depth ≥ 20mm, density ≥ 40kg/m³ or similar

≥ 20mm pipe insulation of stone wool ≥ 80kg/m³ ≥ 100cm on both sides

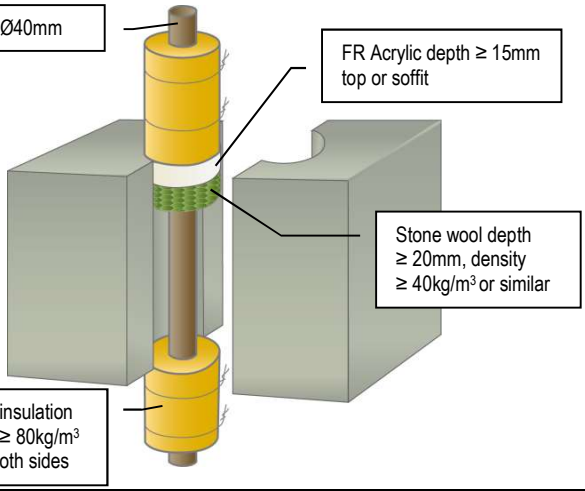


STEEL PIPE FIRE RESISTANCE EI 240 C/U (E 240 C/U)

RIGID FLOORS

Annular ring width 10mm

Steel pipe ≤ Ø40mm

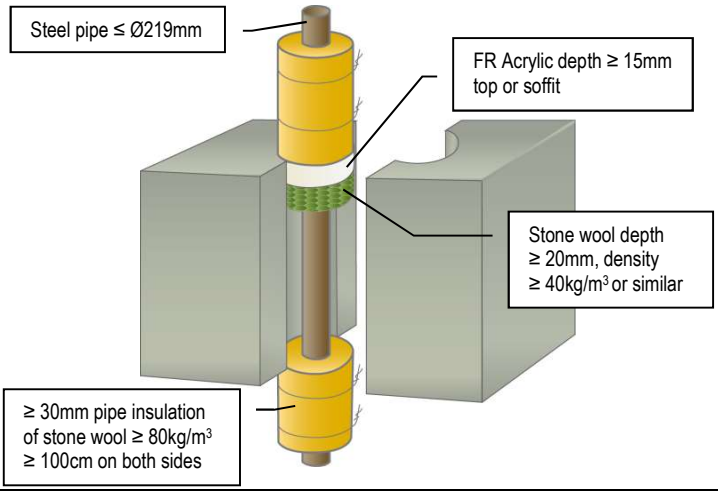


STEEL PIPE FIRE RESISTANCE EI 60 C/U (E 90 C/U)

RIGID FLOORS

Maximum aperture 300x300mm

Steel pipe ≤ Ø219mm

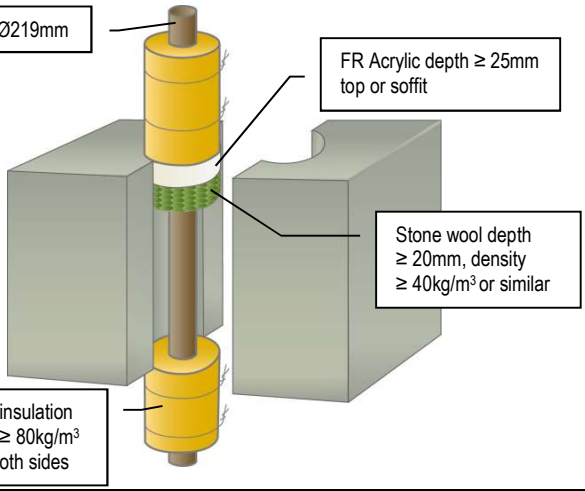


STEEL PIPE FIRE RESISTANCE EI 90 C/U (E 120 C/U)

RIGID FLOORS

Maximum aperture 300x300mm or 100x1000mm

Steel pipe ≤ Ø219mm

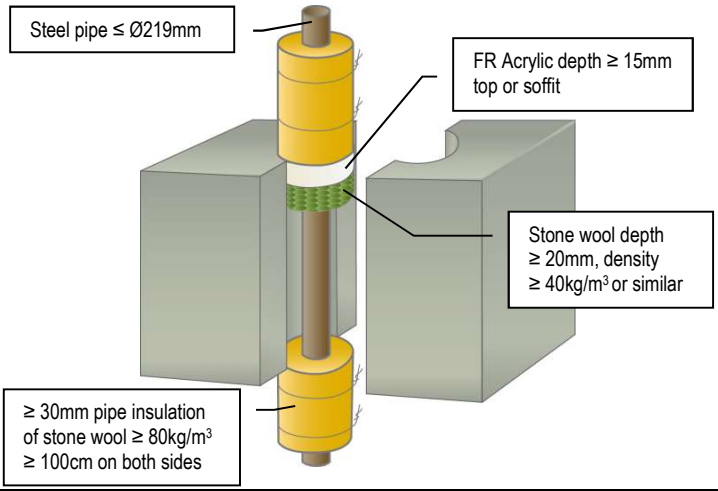


STEEL PIPE FIRE RESISTANCE EI 90 C/U (E 240 C/U)

RIGID FLOORS

Annular ring width 10mm

Steel pipe ≤ Ø219mm

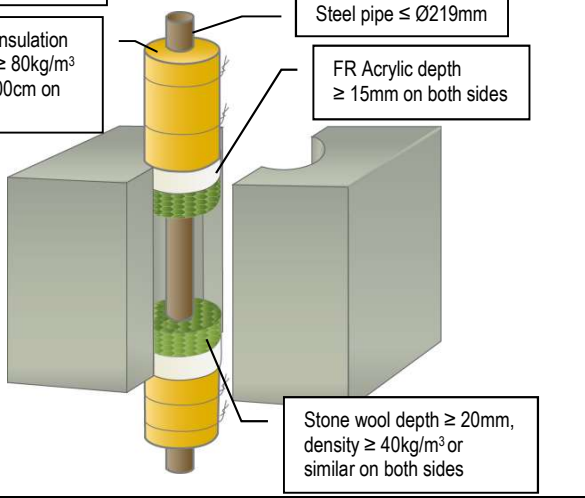


STEEL PIPE FIRE RESISTANCE EI 120 C/U (E 240 C/U)

RIGID FLOORS

Maximum aperture 300x300mm or 100x1000mm

≥ 30mm pipe insulation of stone wool ≥ 80kg/m³ or similar, ≥ 100cm on both sides

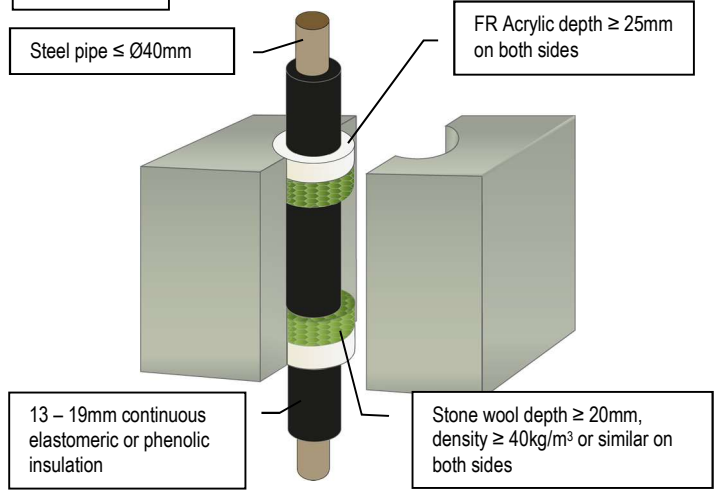


INSULATED STEEL PIPE FIRE RESISTANCE EI 180 C/U (E 180)

RIGID FLOORS

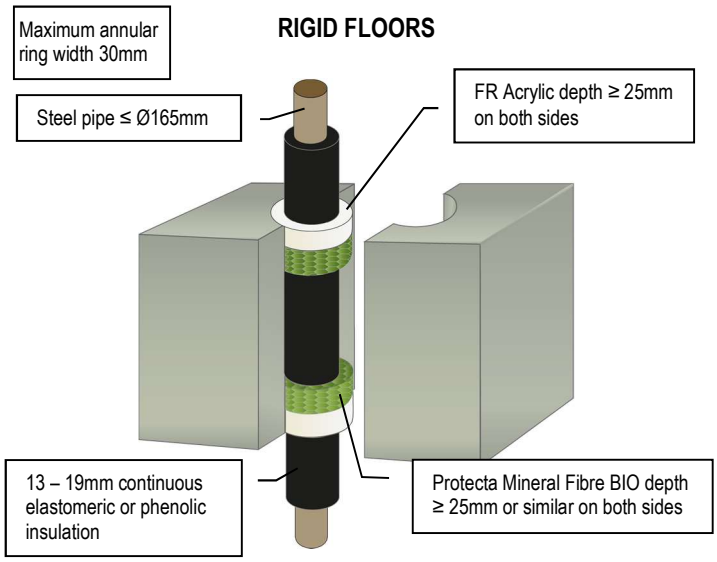
Maximum annular ring width 30mm

Steel pipe ≤ Ø40mm



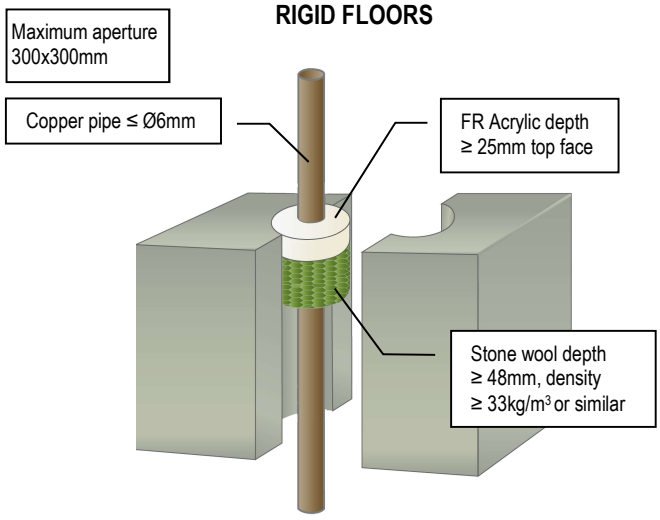
INSULATED STEEL PIPE FIRE RESISTANCE EI 60 C/U (E 60)

RIGID FLOORS



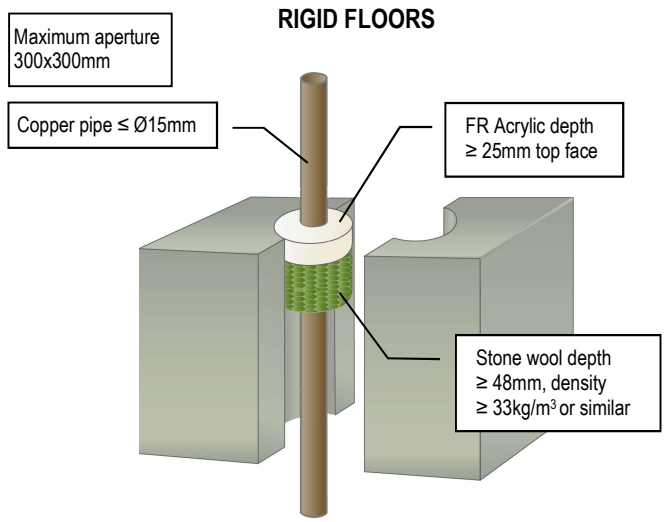
COPPER PIPE FIRE RESISTANCE EI 120 C/C (E 120 C/C)

RIGID FLOORS



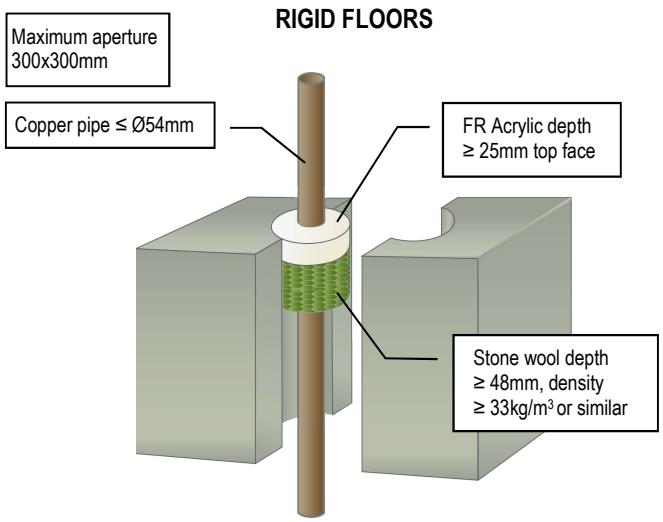
COPPER PIPE FIRE RESISTANCE EI 60 C/C (E 120 C/C)

RIGID FLOORS



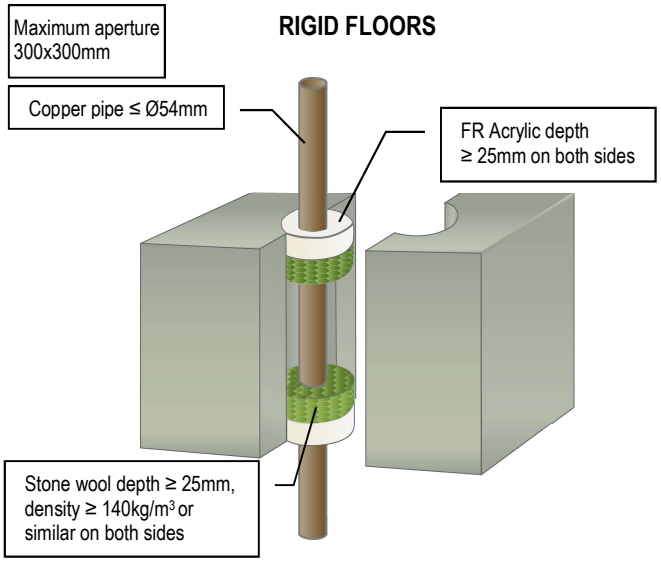
COPPER PIPE FIRE RESISTANCE E 120 C/C

RIGID FLOORS



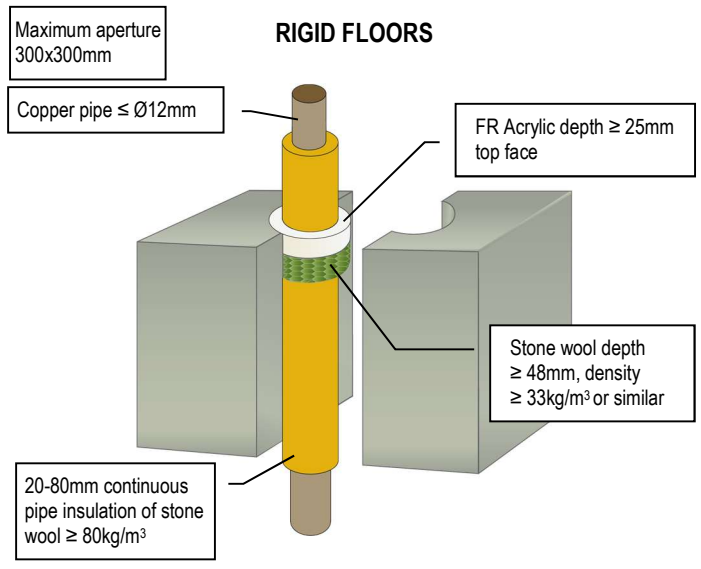
COPPER PIPE FIRE RESISTANCE EI 20 C/U (E 120 C/U)

RIGID FLOORS



INSULATED COPPER PIPE FIRE RESISTANCE EI 240 C/C (E 240)

RIGID FLOORS



ETA
Installation Guide to
ETA 13/0879 & 18/0904

www.protecta.eu
Polyseam Ltd tel.+44(0)1484421036
7 (26) 2019 11 11

INSULATED COPPER PIPE FIRE RESISTANCE EI 180 C/C (E 240)

RIGID FLOORS

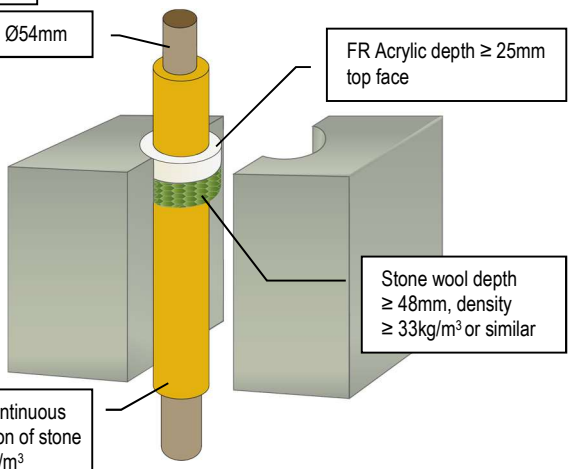
Maximum aperture 300x300mm

Copper pipe ≤ Ø54mm

FR Acrylic depth ≥ 25mm top face

Stone wool depth ≥ 48mm, density ≥ 33kg/m³ or similar

20-80mm continuous pipe insulation of stone wool ≥ 80kg/m³



COPPER PIPE FIRE RESISTANCE EI 240 C/U (E 240 C/U)

RIGID FLOORS

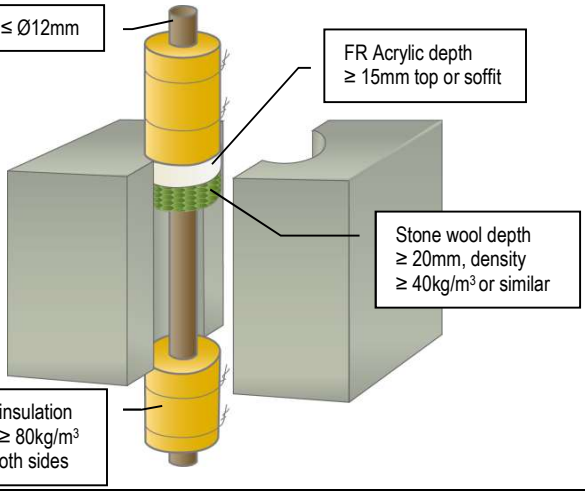
Annular ring width 10mm

Copper pipe ≤ Ø12mm

FR Acrylic depth ≥ 15mm top or soffit

Stone wool depth ≥ 20mm, density ≥ 40kg/m³ or similar

≥ 20mm pipe insulation of stone wool ≥ 80kg/m³ ≥ 100cm on both sides



COPPER PIPE FIRE RESISTANCE EI 60 C/U (E 90 C/U)

RIGID FLOORS

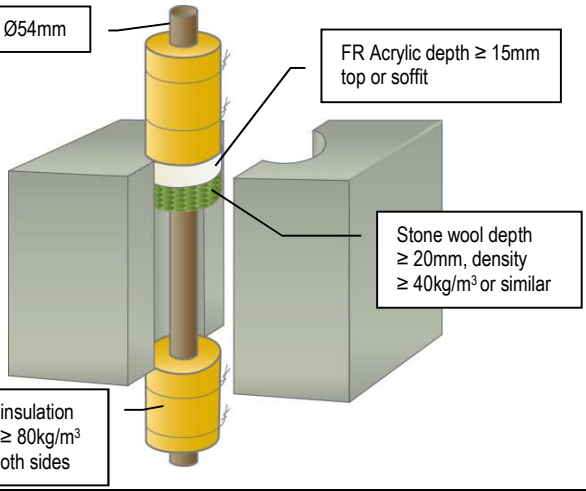
Maximum aperture 300x300mm

Copper pipe ≤ Ø54mm

FR Acrylic depth ≥ 15mm top or soffit

Stone wool depth ≥ 20mm, density ≥ 40kg/m³ or similar

≥ 20mm pipe insulation of stone wool ≥ 80kg/m³ ≥ 100cm on both sides



COPPER PIPE FIRE RESISTANCE EI 120 C/U (E 120 C/U)

RIGID FLOORS

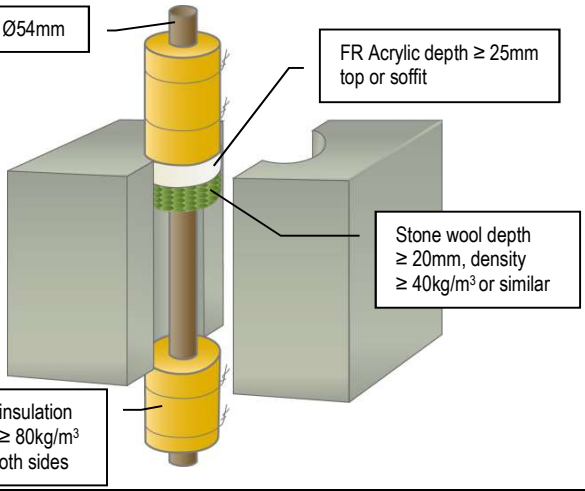
Maximum aperture 300x300mm or 100x1000mm

Copper pipe ≤ Ø54mm

FR Acrylic depth ≥ 25mm top or soffit

Stone wool depth ≥ 20mm, density ≥ 40kg/m³ or similar

≥ 20mm pipe insulation of stone wool ≥ 80kg/m³ ≥ 100cm on both sides



COPPER PIPE FIRE RESISTANCE EI 180 C/U (E 240 C/U)

RIGID FLOORS

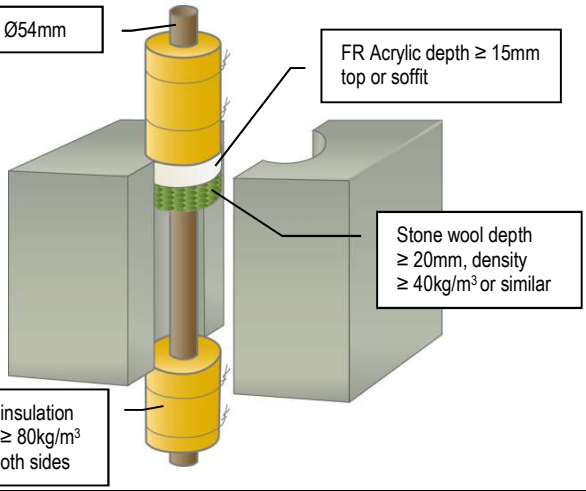
Annular ring width 10mm

Copper pipe ≤ Ø54mm

FR Acrylic depth ≥ 15mm top or soffit

Stone wool depth ≥ 20mm, density ≥ 40kg/m³ or similar

≥ 20mm pipe insulation of stone wool ≥ 80kg/m³ ≥ 100cm on both sides



INSULATED COPPER PIPE FIRE RESISTANCE EI 180 C/C (E 240)

RIGID FLOORS

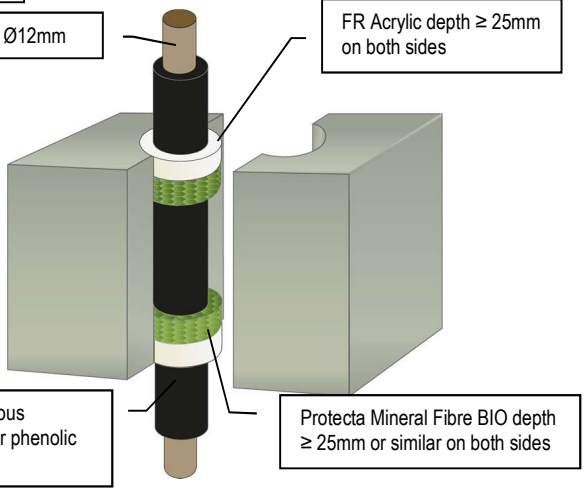
Maximum annular ring width 30mm

Copper pipe ≤ Ø12mm

FR Acrylic depth ≥ 25mm on both sides

9mm continuous elastomeric or phenolic insulation

Protecta Mineral Fibre BIO depth ≥ 25mm or similar on both sides



ETA

Installation Guide to ETA 13/0879 & 18/0904

www.protecta.eu

Polyseam Ltd tel.+44(0)1484421036

8 (26) 2019 11 11

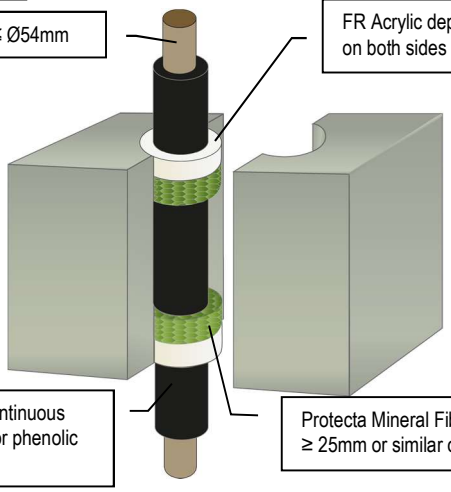
INSULATED COPPER PIPE FIRE RESISTANCE EI 120 C/C (E 180)

Maximum annular ring width 30mm

RIGID FLOORS

Copper pipe ≤ Ø54mm

FR Acrylic depth ≥ 25mm on both sides



9 – 13mm continuous elastomeric or phenolic insulation

Protecta Mineral Fibre BIO depth ≥ 25mm or similar on both sides

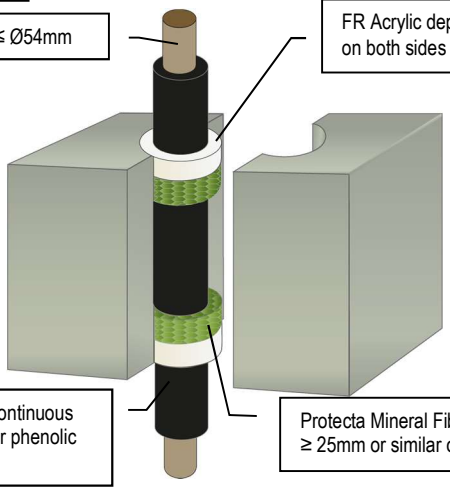
INSULATED COPPER PIPE FIRE RESISTANCE EI 60 C/C (E 90)

Maximum annular ring width 30mm

RIGID FLOORS

Copper pipe ≤ Ø54mm

FR Acrylic depth ≥ 25mm on both sides



14 – 25mm continuous elastomeric or phenolic insulation

Protecta Mineral Fibre BIO depth ≥ 25mm or similar on both sides

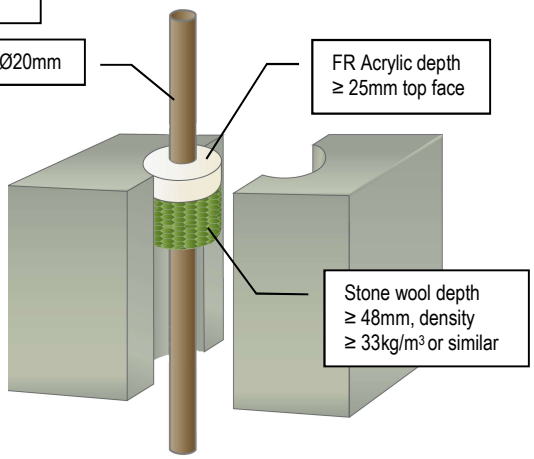
ALUPEX PIPE FIRE RESISTANCE EI 120 C/C (E 120 C/C)

Maximum aperture 300x300mm

RIGID FLOORS

Alupex pipe ≤ Ø20mm

FR Acrylic depth ≥ 25mm top face



Stone wool depth ≥ 48mm, density ≥ 33kg/m³ or similar

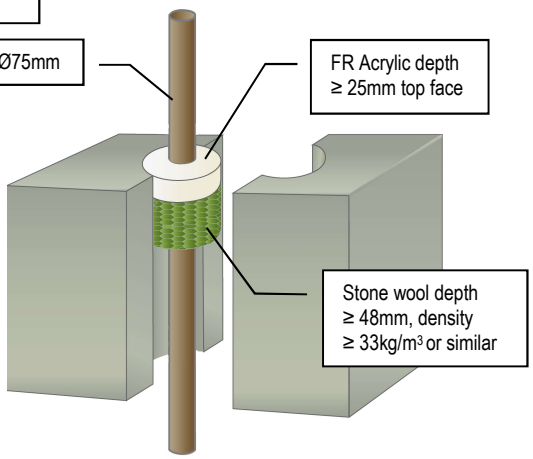
ALUPEX PIPE FIRE RESISTANCE EI 90 C/C (E 120 C/C)

Maximum aperture 300x300mm

RIGID FLOORS

Alupex pipe ≤ Ø75mm

FR Acrylic depth ≥ 25mm top face



Stone wool depth ≥ 48mm, density ≥ 33kg/m³ or similar

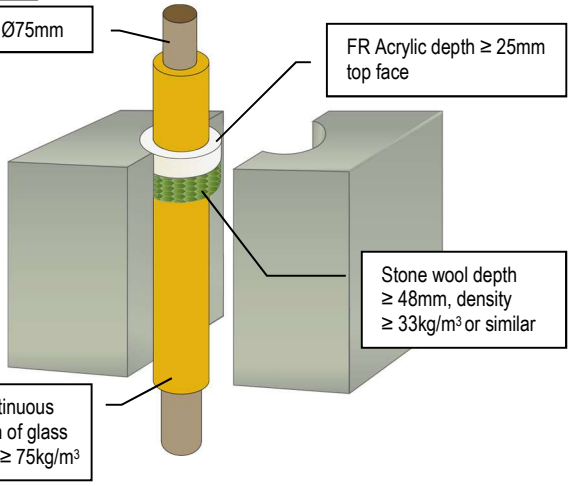
INSULATED ALUPEX PIPE FIRE RESISTANCE EI 120 C/C (E 180)

Maximum aperture 300x300mm

RIGID FLOORS

Alupex pipe ≤ Ø75mm

FR Acrylic depth ≥ 25mm top face



Stone wool depth ≥ 48mm, density ≥ 33kg/m³ or similar

20-50mm continuous pipe insulation of glass or stone wool ≥ 75kg/m³

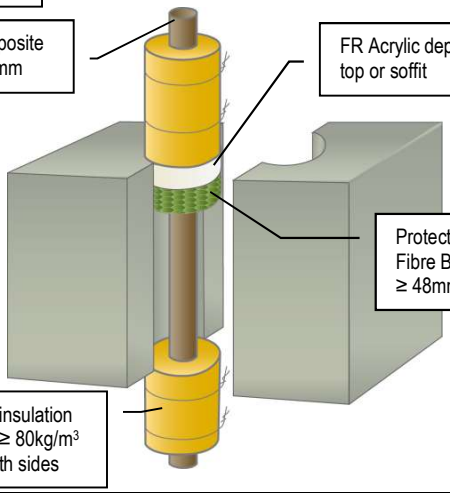
ALUPEX PIPE FIRE RESISTANCE EI 240 C/C (E 240 C/C)

Maximum aperture 300x300mm

RIGID FLOORS

Alupex composite pipe ≤ Ø75mm

FR Acrylic depth ≥ 25mm top or soffit



Protecta Mineral Fibre BIO depth ≥ 48mm or similar

≥ 20mm pipe insulation of stone wool ≥ 80kg/m³ ≥ 50cm on both sides

ETA
Installation Guide to
ETA 13/0879 & 18/0904

www.protecta.eu
Polyseam Ltd tel.+44(0)1484421036
9 (26) 2019 11 11

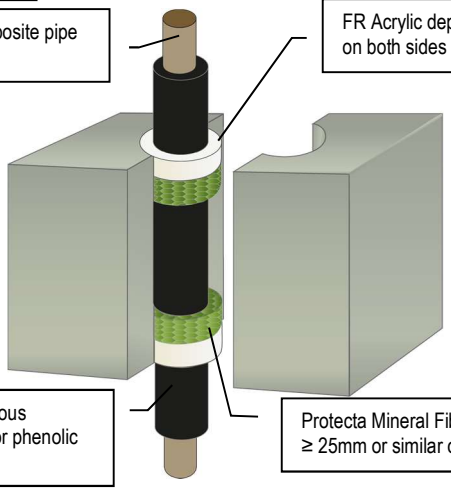
INSULATED ALUPEX PIPE FIRE RESISTANCE EI 180 C/C (E 180)

RIGID FLOORS

Maximum annular ring width 30mm

Alupex composite pipe ≤ Ø16mm

FR Acrylic depth ≥ 25mm on both sides



9mm continuous elastomeric or phenolic insulation

Protecta Mineral Fibre BIO depth ≥ 25mm or similar on both sides

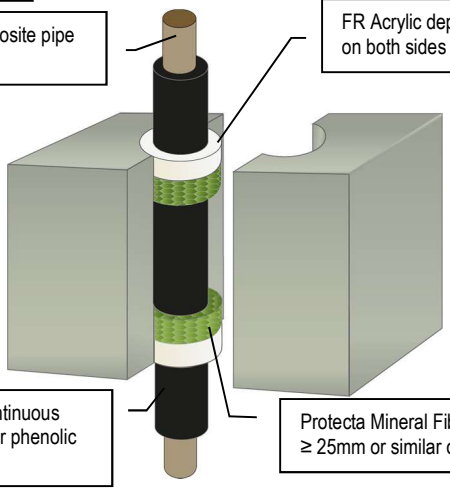
INSULATED ALUPEX PIPE FIRE RESISTANCE EI 60 C/C (E 120)

RIGID FLOORS

Maximum annular ring width 30mm

Alupex composite pipe ≤ Ø75mm

FR Acrylic depth ≥ 25mm on both sides



9 - 13mm continuous elastomeric or phenolic insulation

Protecta Mineral Fibre BIO depth ≥ 25mm or similar on both sides

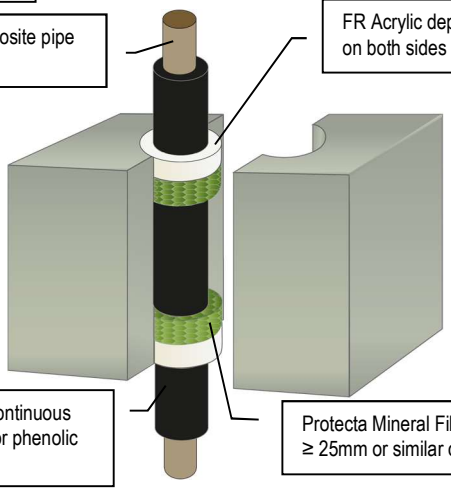
INSULATED ALUPEX PIPE FIRE RESISTANCE EI 60 C/C (E 60)

RIGID FLOORS

Maximum annular ring width 30mm

Alupex composite pipe ≤ Ø75mm

FR Acrylic depth ≥ 25mm on both sides



14 - 25mm continuous elastomeric or phenolic insulation

Protecta Mineral Fibre BIO depth ≥ 25mm or similar on both sides

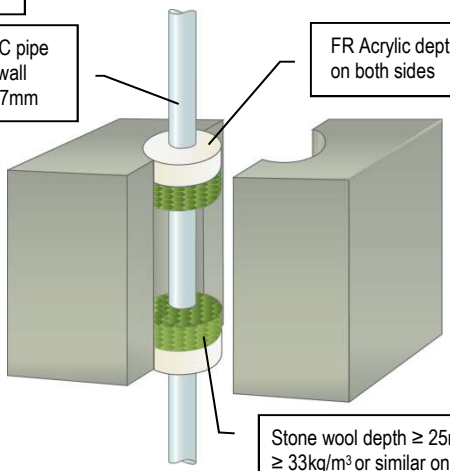
PVC PLASTIC PIPE FIRE RESISTANCE EI 240 U/C (E 240 U/C)

RIGID FLOORS

Maximum annular ring width 30mm

PVC-U or PVC-C pipe ≤ Ø50mm with wall thickness 1.6-3.7mm

FR Acrylic depth ≥ 25mm on both sides



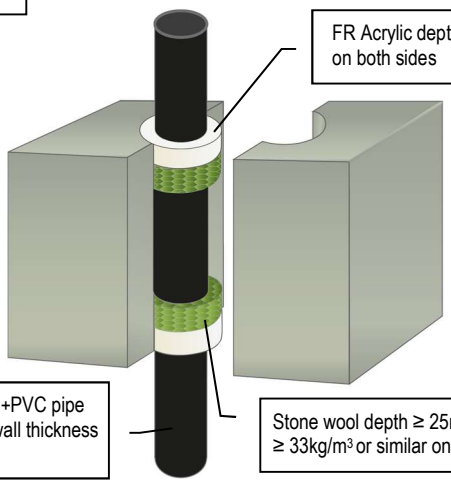
Stone wool depth ≥ 25mm, density ≥ 33kg/m³ or similar on both sides

PE PLASTIC PIPE FIRE RESISTANCE EI 240 U/C (E 240 U/C)

RIGID FLOORS

Maximum annular ring width 30mm

FR Acrylic depth ≥ 25mm on both sides



PE, ABS or SAN+PVC pipe ≤ Ø40mm with wall thickness 2.0-2.4mm

Stone wool depth ≥ 25mm, density ≥ 33kg/m³ or similar on both sides

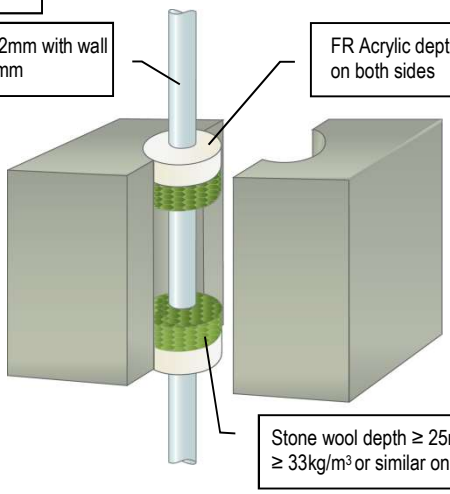
PP PLASTIC PIPE FIRE RESISTANCE EI 240 U/C (E 240 U/C)

RIGID FLOORS

Maximum annular ring width 30mm

PP pipe ≤ Ø12mm with wall thickness 1.2mm

FR Acrylic depth ≥ 25mm on both sides

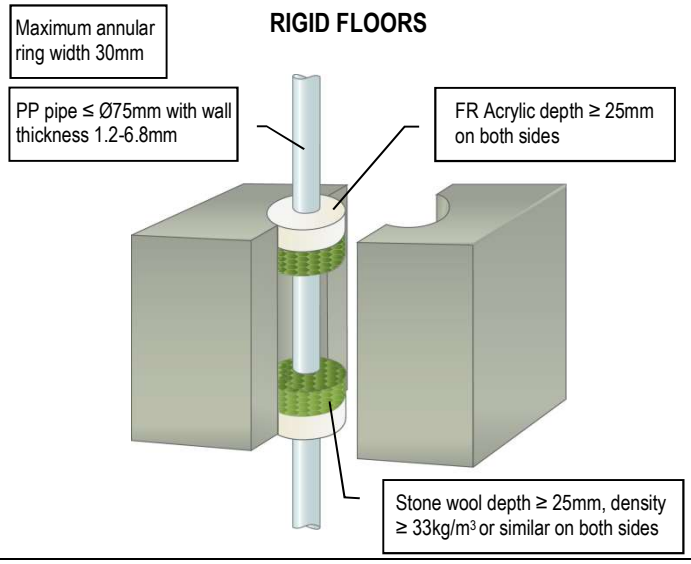


Stone wool depth ≥ 25mm, density ≥ 33kg/m³ or similar on both sides

ETA
Installation Guide to
ETA 13/0879 & 18/0904

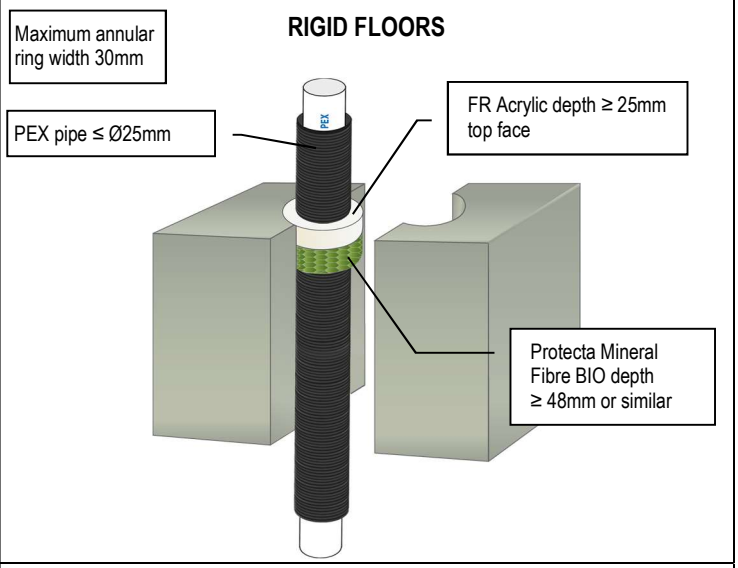
PP PLASTIC PIPE FIRE RESISTANCE EI 90 U/C (E 90 U/C)

RIGID FLOORS



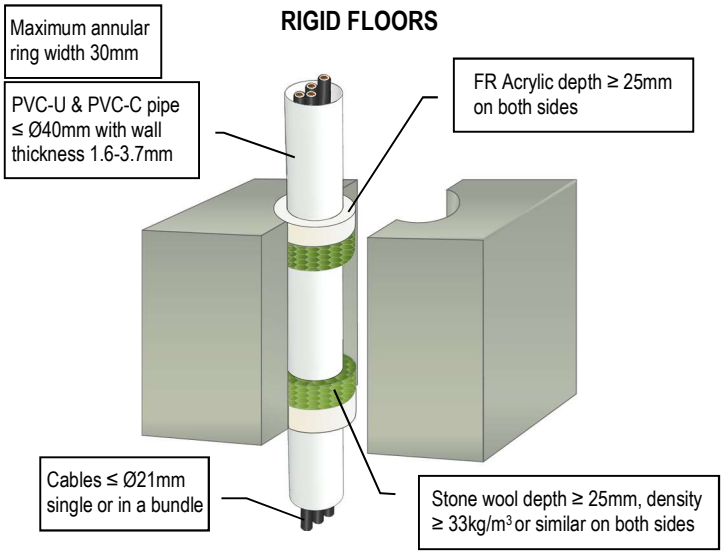
PEX PIPE-IN-PIPE SYSTEM FIRE RESISTANCE EI 90 C/C (E 90)

RIGID FLOORS



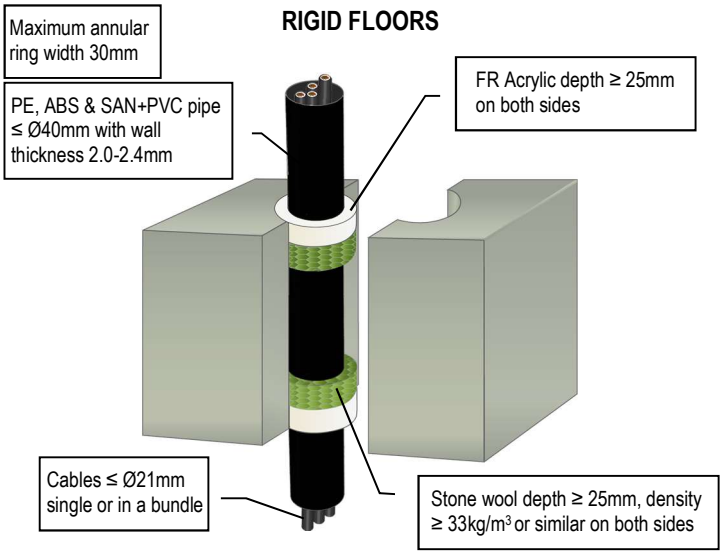
PVC CONDUIT FIRE RESISTANCE EI 240 U/C (E 240 U/C)

RIGID FLOORS



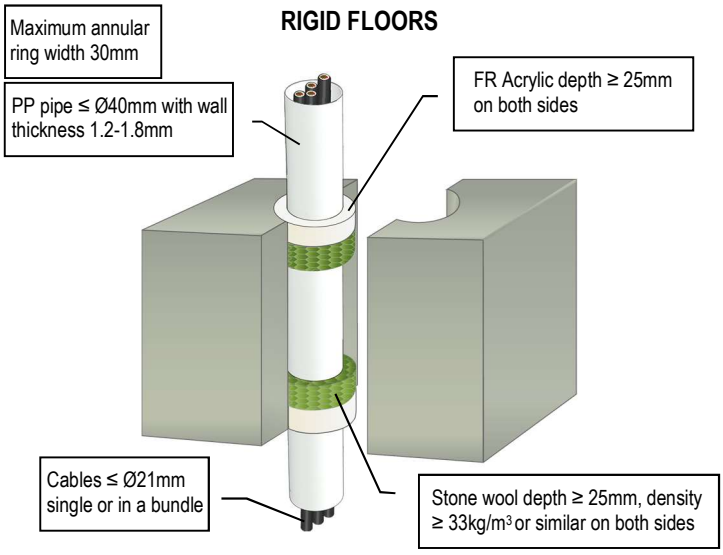
PE CONDUIT FIRE RESISTANCE EI 180 U/C (E 180 U/C)

RIGID FLOORS



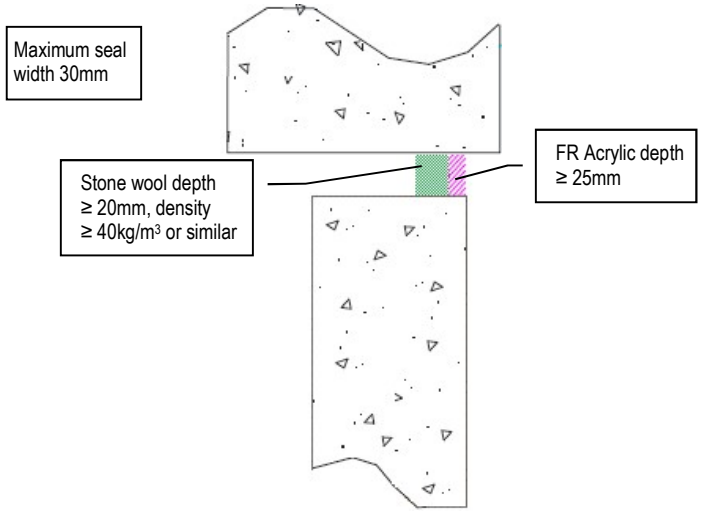
PP CONDUIT FIRE RESISTANCE EI 180 U/C (E 180 U/C)

RIGID FLOORS



HORIZONTAL LINEAR SEALS FIRE RESISTANCE EI 60 (E 240)

IN ≥ 150MM RIGID WALLS OR BETWEEN WALLS AND FLOORS

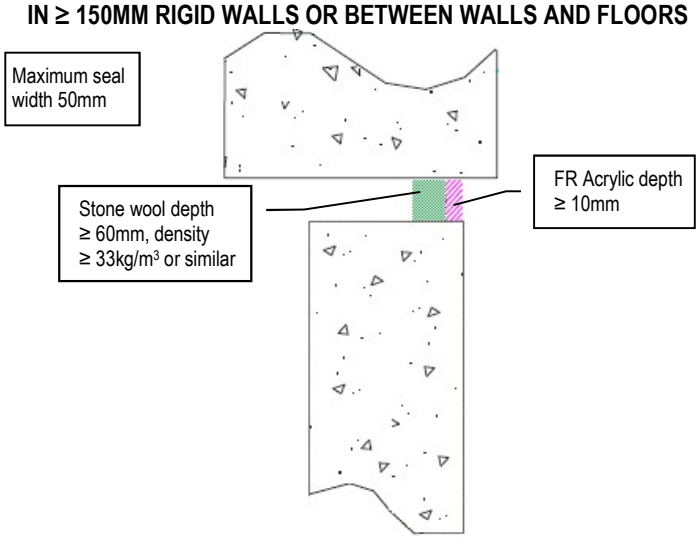


ETA
Installation Guide to
ETA 13/0879 & 18/0904

www.protecta.eu
Polyseam Ltd tel.+44(0)1484421036
11 (26) 2019 11 11

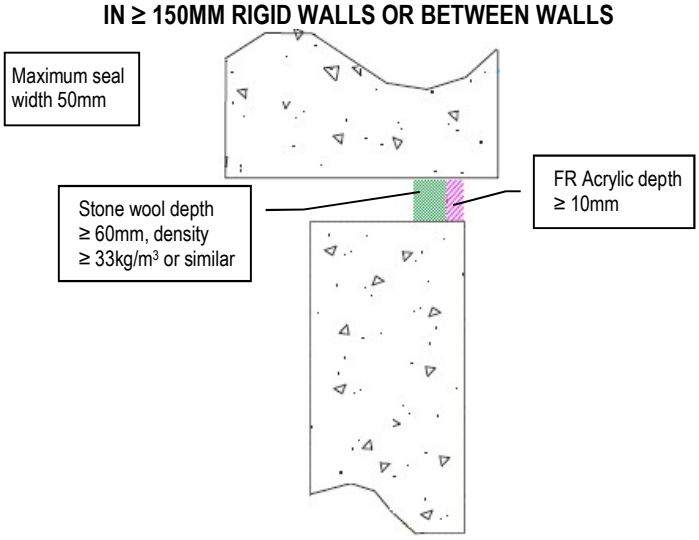
HORIZONTAL LINEAR SEALS FIRE RESISTANCE EI 60 (E 240)

IN ≥ 150MM RIGID WALLS OR BETWEEN WALLS AND FLOORS



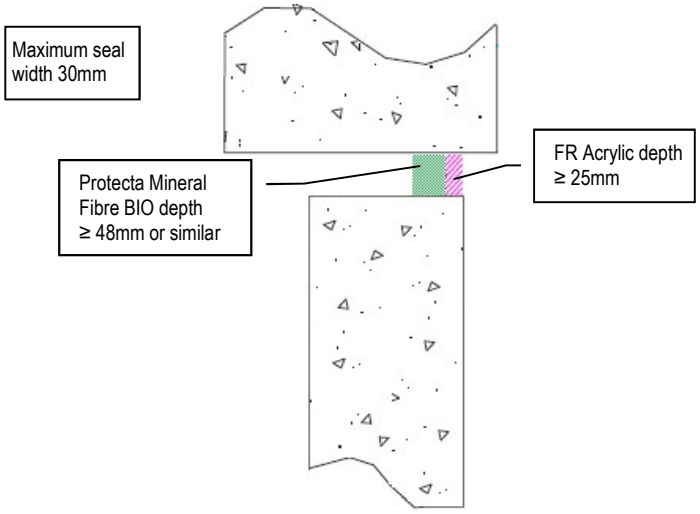
VERTICAL LINEAR SEALS FIRE RESISTANCE EI 120 (E 120)

IN ≥ 150MM RIGID WALLS OR BETWEEN WALLS



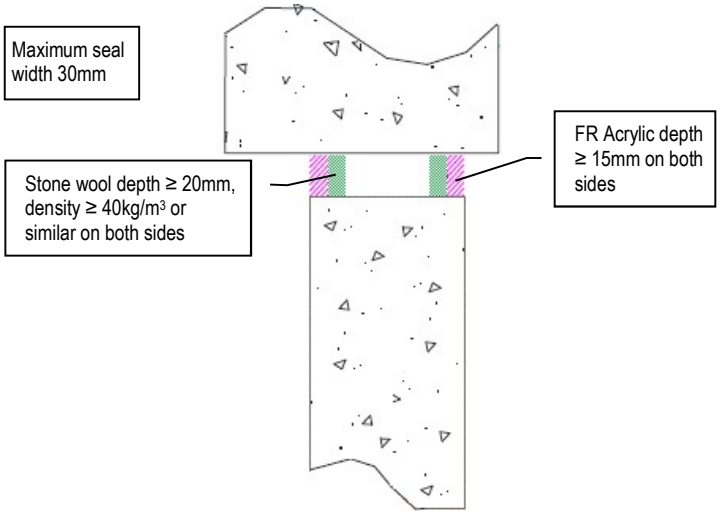
HORIZONTAL LINEAR SEALS FIRE RESISTANCE EI 120 (E 240)

IN ≥ 150MM RIGID WALLS OR BETWEEN WALLS AND FLOORS



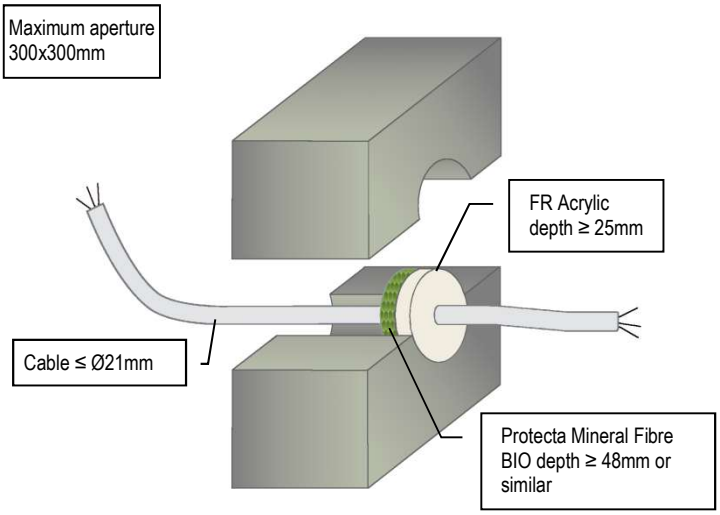
LINEAR SEALS FIRE RESISTANCE EI 240 (E 240)

IN ≥ 150MM RIGID WALLS OR BETWEEN WALLS AND FLOORS



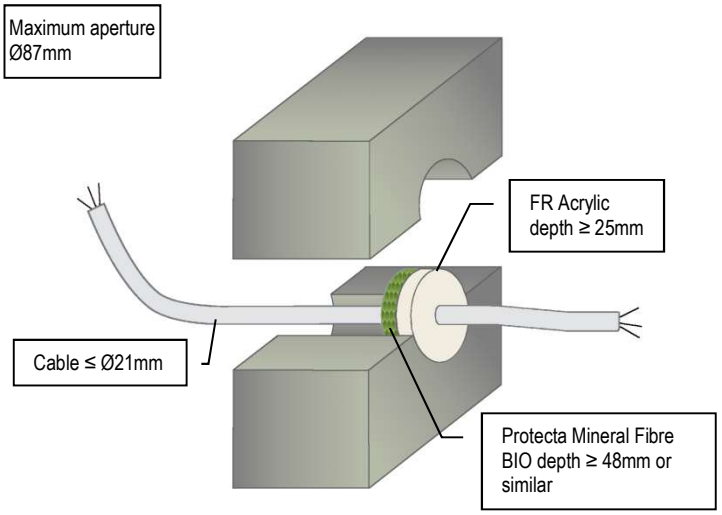
CABLE FIRE RESISTANCE EI 60 (E 240)

≥ 150MM MASONRY OR CONCRETE WALLS



CABLE FIRE RESISTANCE EI 90 (E 240)

≥ 150MM MASONRY OR CONCRETE WALLS

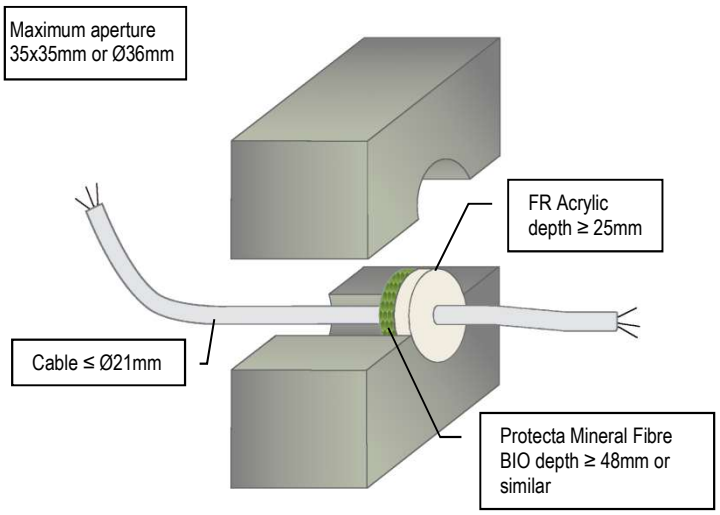


ETA
Installation Guide to
ETA 13/0879 & 18/0904

www.protecta.eu
Polyseam Ltd tel.+44(0)1484421036
12 (26) 2019 11 11

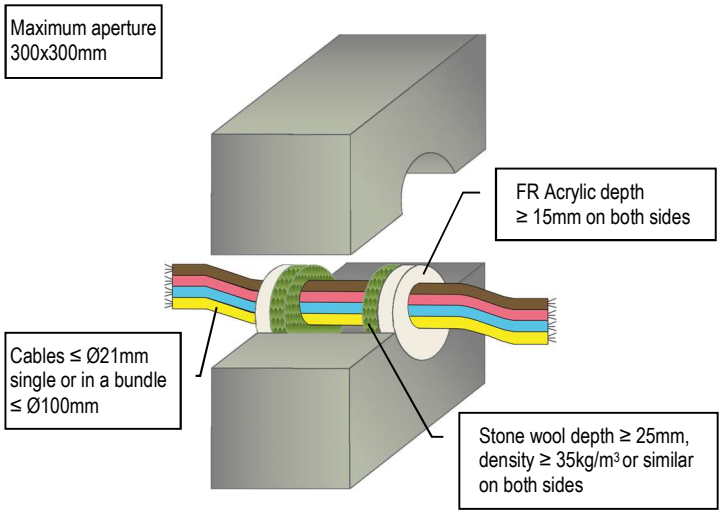
CABLE FIRE RESISTANCE EI 120 (E 240)

≥ 150MM MASONRY OR CONCRETE WALLS



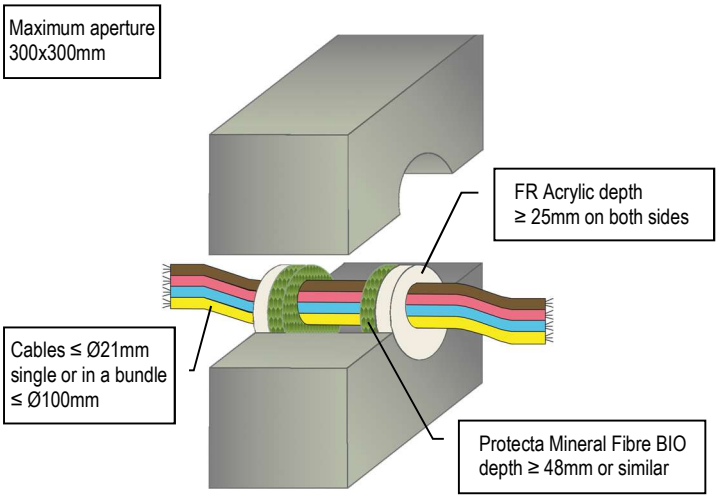
CABLES FIRE RESISTANCE EI 120 (E 240)

≥ 150MM MASONRY OR CONCRETE WALLS



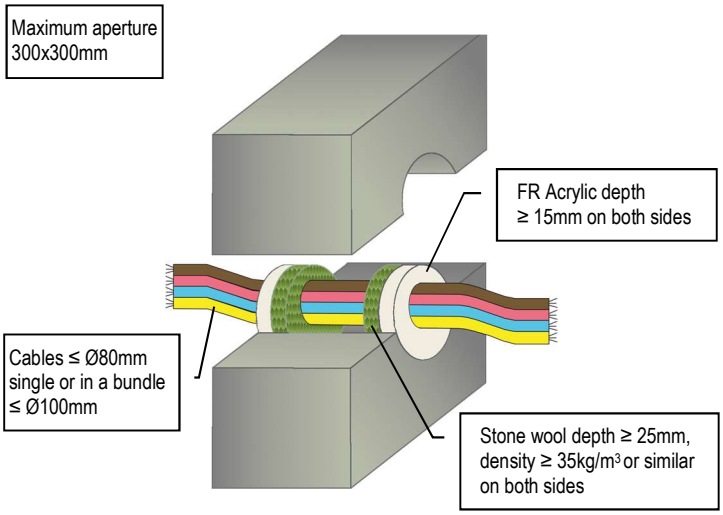
CABLES FIRE RESISTANCE EI 240 (E 240)

≥ 150MM MASONRY OR CONCRETE WALLS



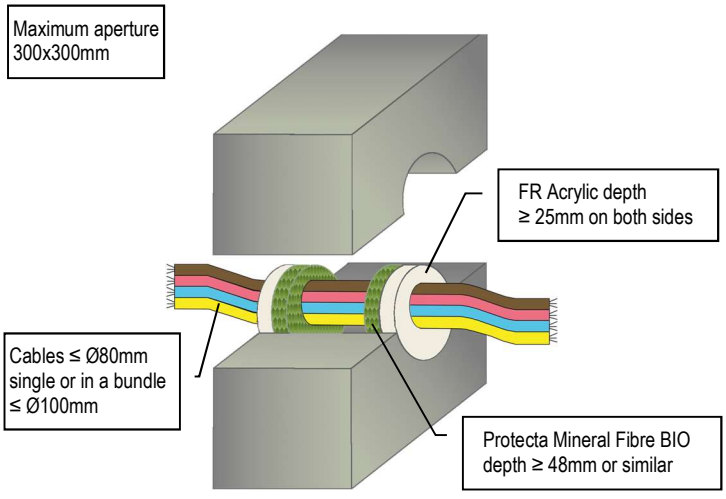
CABLES FIRE RESISTANCE EI 60 (E 120)

≥ 150MM MASONRY OR CONCRETE WALLS



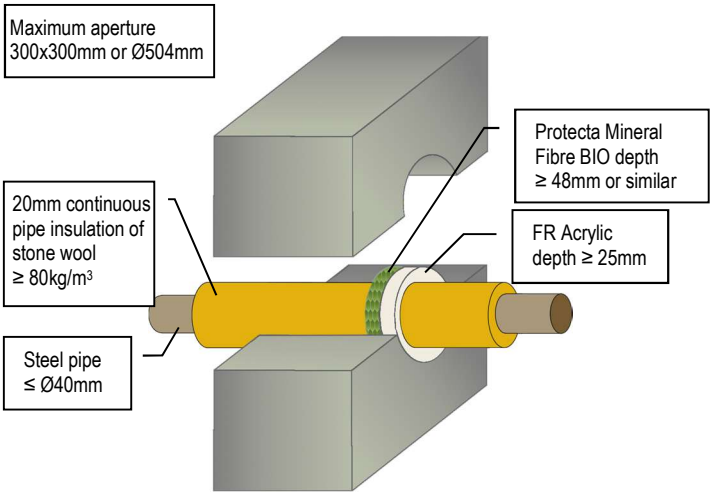
CABLES FIRE RESISTANCE EI 60 (E 240)

≥ 150MM MASONRY OR CONCRETE WALLS



INSULATED STEEL PIPE FIRE RESISTANCE EI 240 C/U (E 240)

≥ 150MM MASONRY OR CONCRETE WALLS

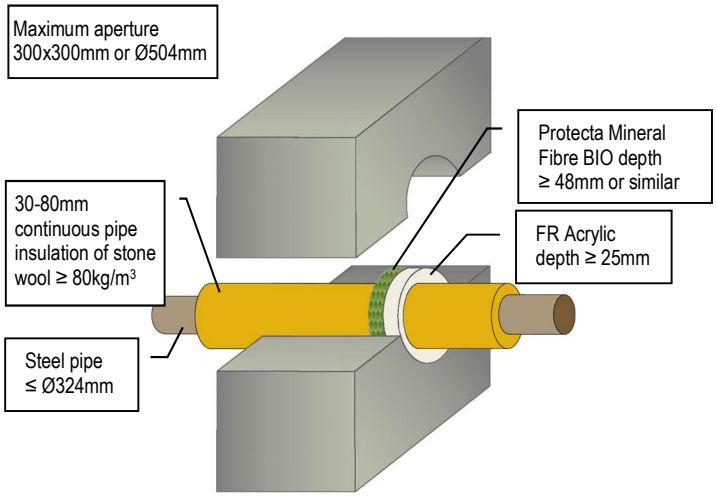


ETA
Installation Guide to
ETA 13/0879 & 18/0904

www.protecta.eu
Polyseam Ltd tel.+44(0)1484421036
13 (26) 2019 11 11

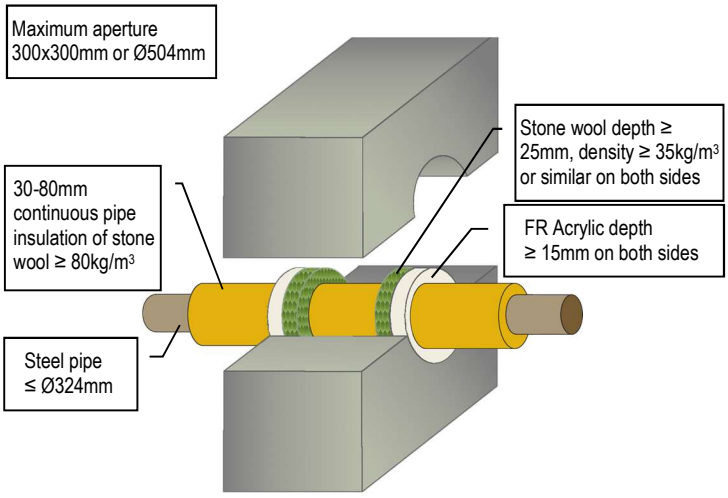
INSULATED STEEL PIPE FIRE RESISTANCE EI 180 C/U (E 180)

≥ 150MM MASONRY OR CONCRETE WALLS



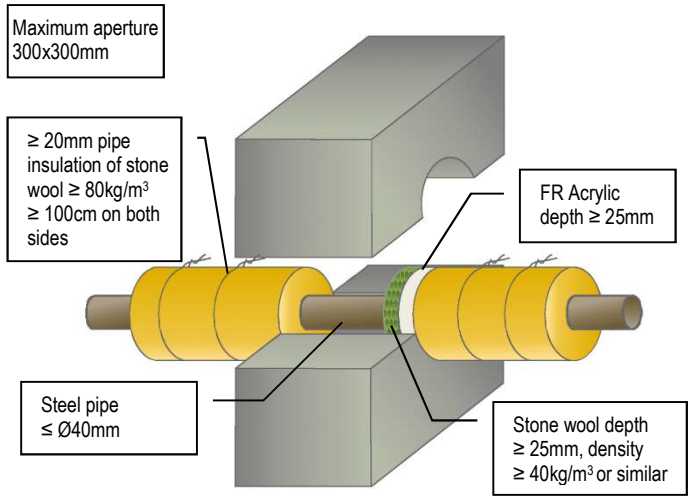
INSULATED STEEL PIPE FIRE RESISTANCE EI 240 C/U (E 240)

≥ 150MM MASONRY OR CONCRETE WALLS



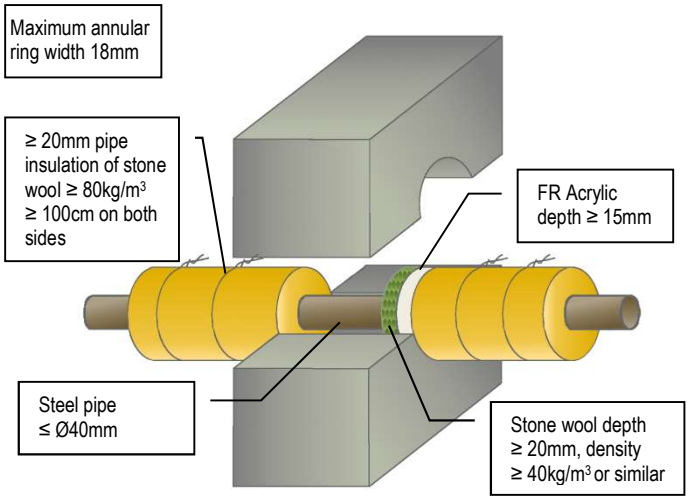
STEEL PIPE FIRE RESISTANCE EI 60 C/U (E 240 C/U)

≥ 150MM MASONRY OR CONCRETE WALLS



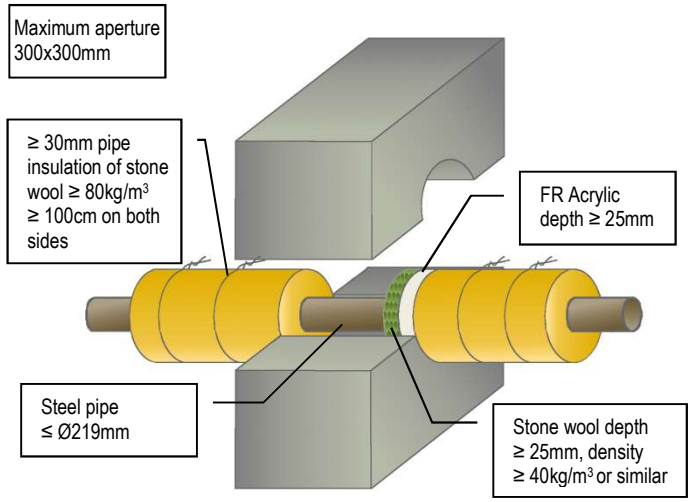
STEEL PIPE FIRE RESISTANCE EI 240 C/U (E 240 C/U)

≥ 150MM MASONRY OR CONCRETE WALLS



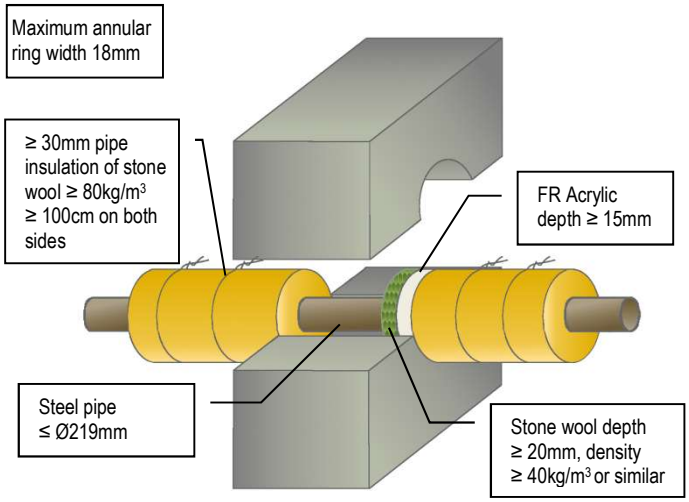
STEEL PIPE FIRE RESISTANCE EI 60 C/U (E 240 C/U)

≥ 150MM MASONRY OR CONCRETE WALLS



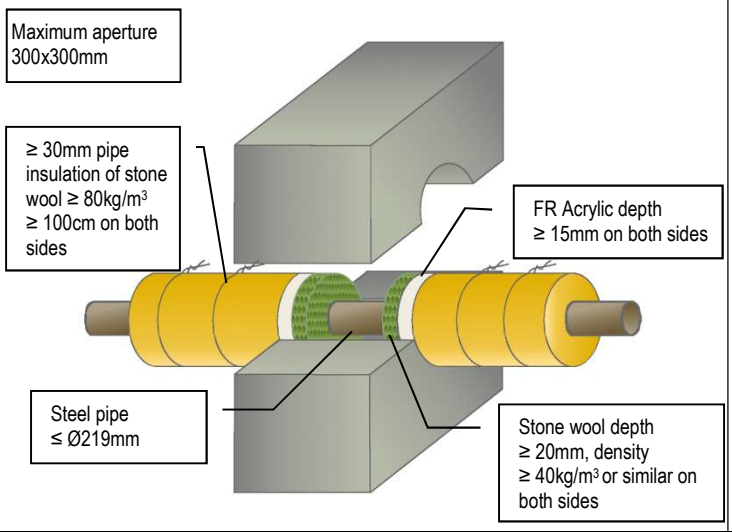
STEEL PIPE FIRE RESISTANCE EI 90 C/U (E 180 C/U)

≥ 150MM MASONRY OR CONCRETE WALLS



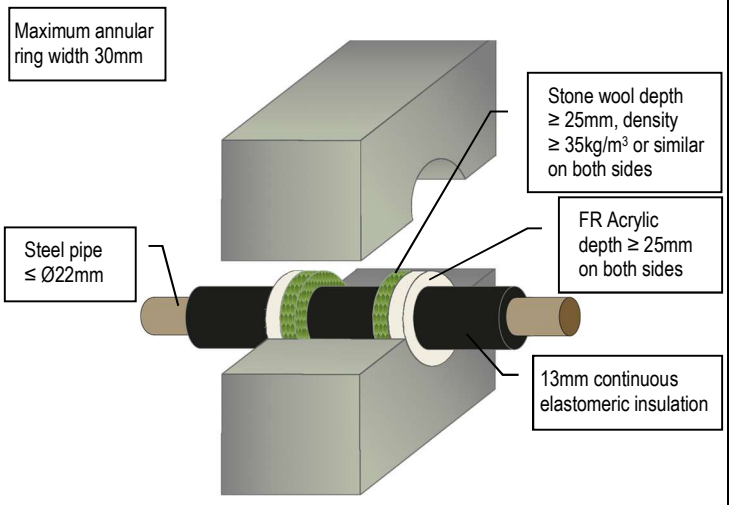
STEEL PIPE FIRE RESISTANCE EI 120 C/U (E 240 C/U)

≥ 150MM MASONRY OR CONCRETE WALLS



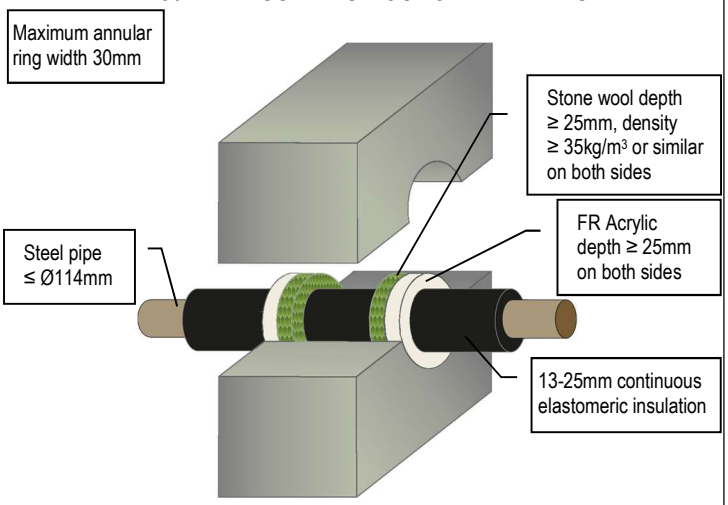
STEEL PIPE FIRE RESISTANCE EI 180 C/U (E 240 C/U)

≥ 150MM MASONRY OR CONCRETE WALLS



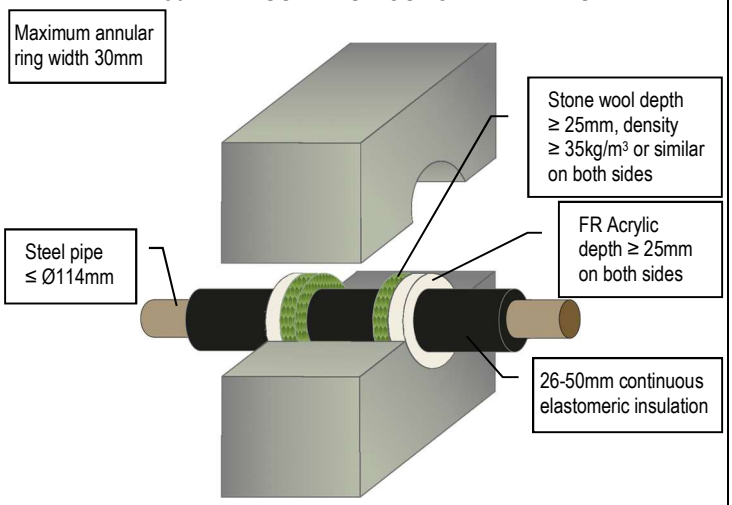
STEEL PIPE FIRE RESISTANCE EI 90 C/U (E 120 C/U)

≥ 150MM MASONRY OR CONCRETE WALLS



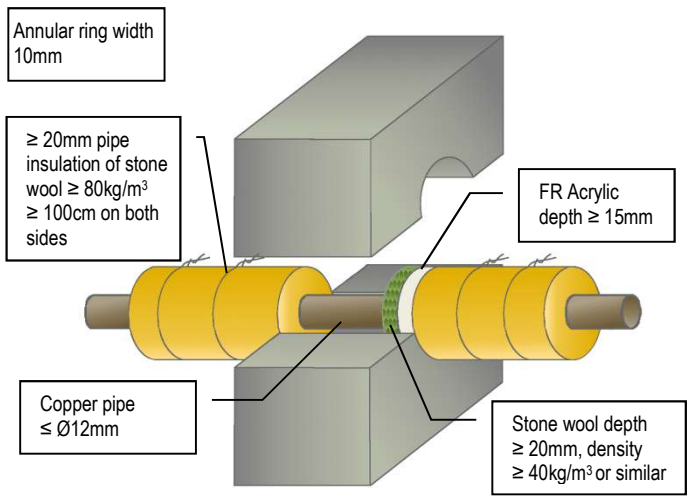
STEEL PIPE FIRE RESISTANCE EI 60 C/U (E 60 C/U)

≥ 150MM MASONRY OR CONCRETE WALLS



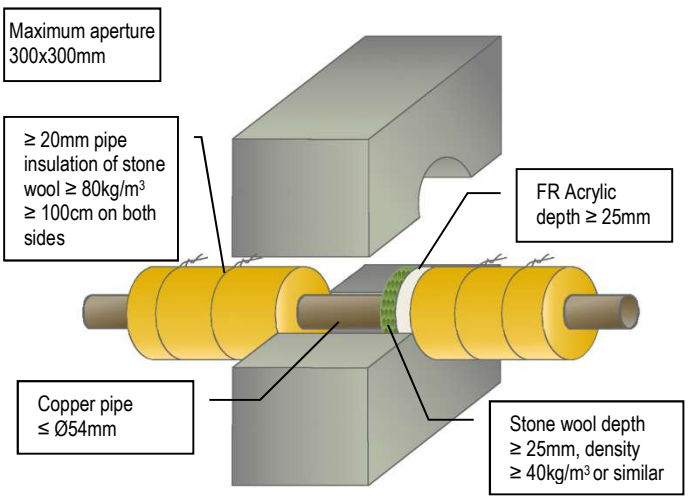
COPPER PIPE FIRE RESISTANCE EI 240 C/U (E 240 C/U)

≥ 150MM MASONRY OR CONCRETE WALLS



COPPER PIPE FIRE RESISTANCE EI 60 C/U (E 240 C/U)

≥ 150MM MASONRY OR CONCRETE WALLS

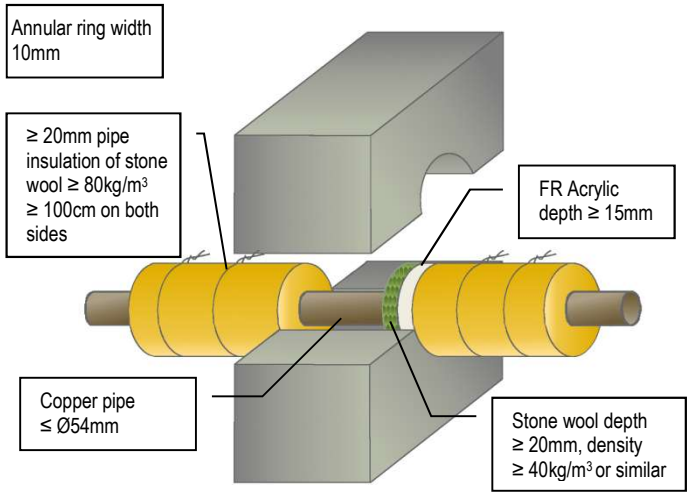


ETA
Installation Guide to
ETA 13/0879 & 18/0904

www.protecta.eu
Polyseam Ltd tel.+44(0)1484421036
15 (26) 2019 11 11

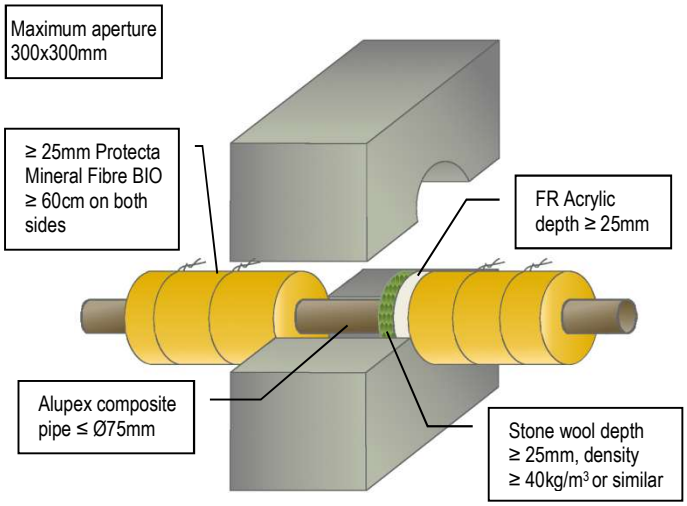
COPPER PIPE FIRE RESISTANCE EI 180 C/U (E 240 C/U)

≥ 150MM MASONRY OR CONCRETE WALLS



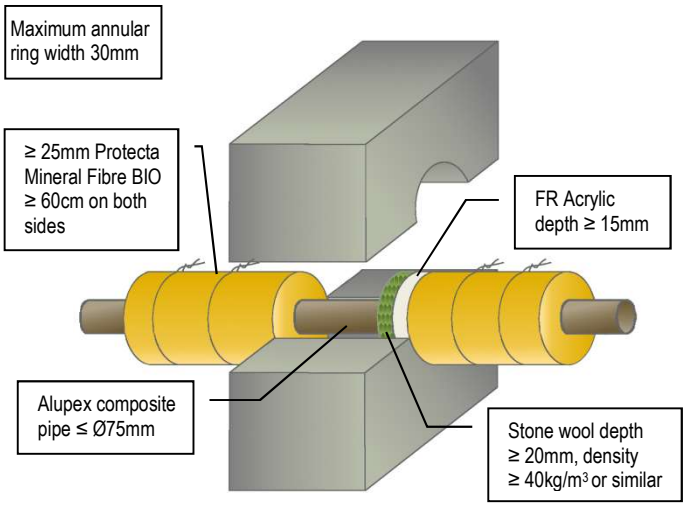
ALUPEX PIPE FIRE RESISTANCE EI 60 C/U (E 240 C/U)

≥ 150MM MASONRY OR CONCRETE WALLS



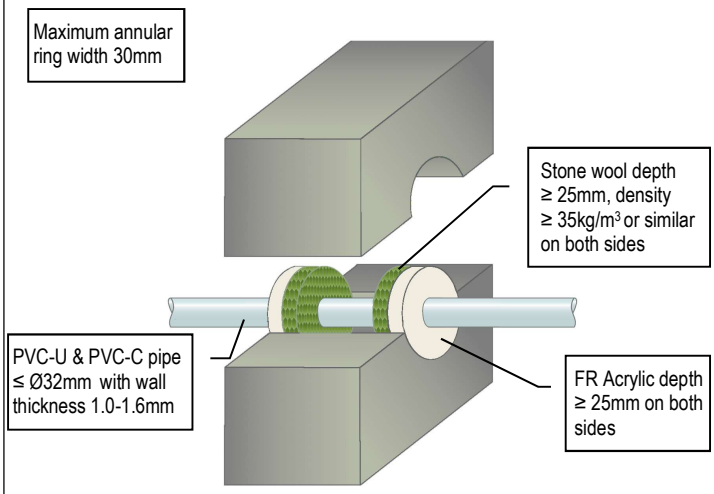
ALUPEX PIPE FIRE RESISTANCE EI 120 C/U (E 120 C/U)

≥ 150MM MASONRY OR CONCRETE WALLS



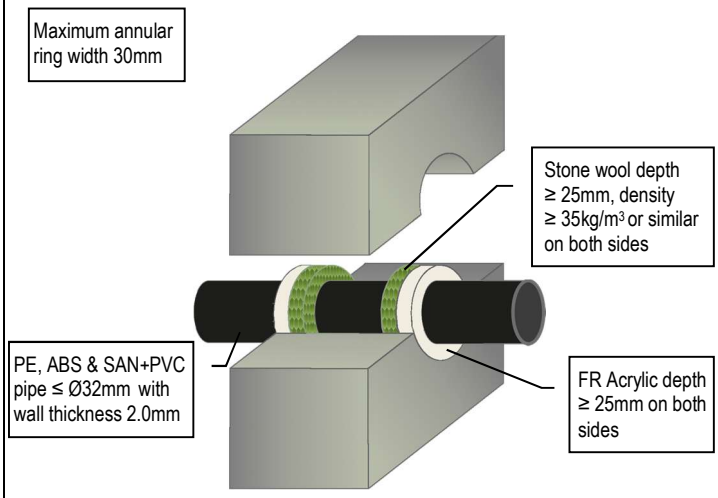
PVC PLASTIC PIPE FIRE RESISTANCE EI 240 U/C (E 240 U/C)

≥ 150MM MASONRY OR CONCRETE WALLS



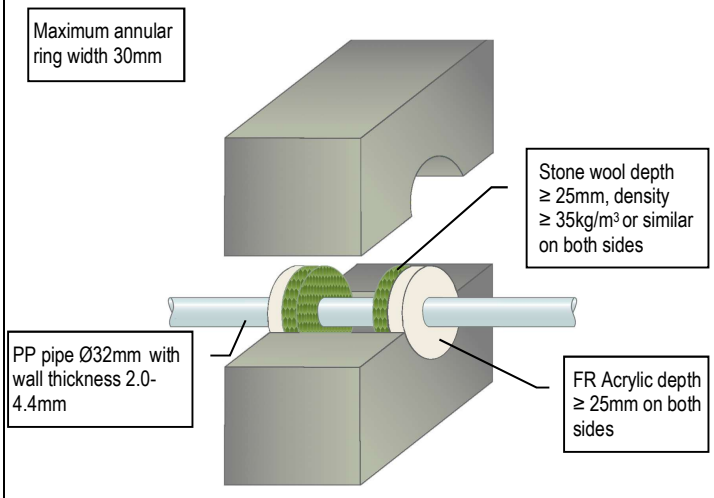
PE PLASTIC PIPE FIRE RESISTANCE EI 240 C/U (E 240 C/U)

≥ 150MM MASONRY OR CONCRETE WALLS



PP PLASTIC PIPE FIRE RESISTANCE EI 180 C/U (E 180 C/U)

≥ 150MM MASONRY OR CONCRETE WALLS

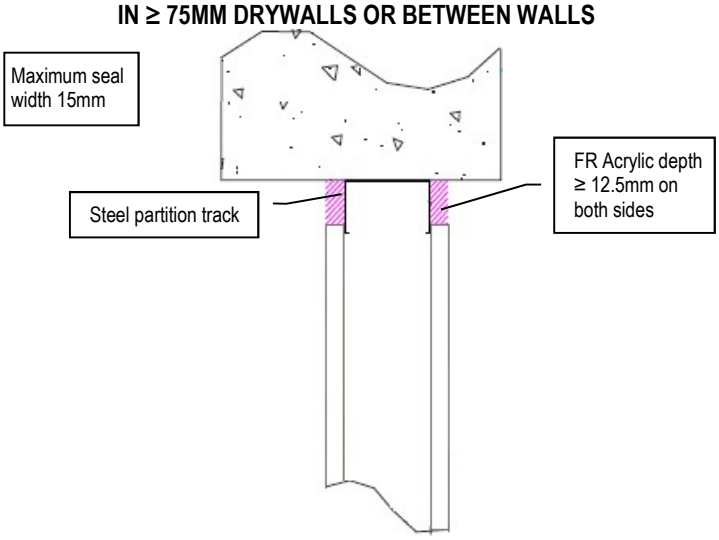


ETA
Installation Guide to
ETA 13/0879 & 18/0904

www.protecta.eu
Polyseam Ltd tel.+44(0)1484421036
16 (26) 2019 11 11

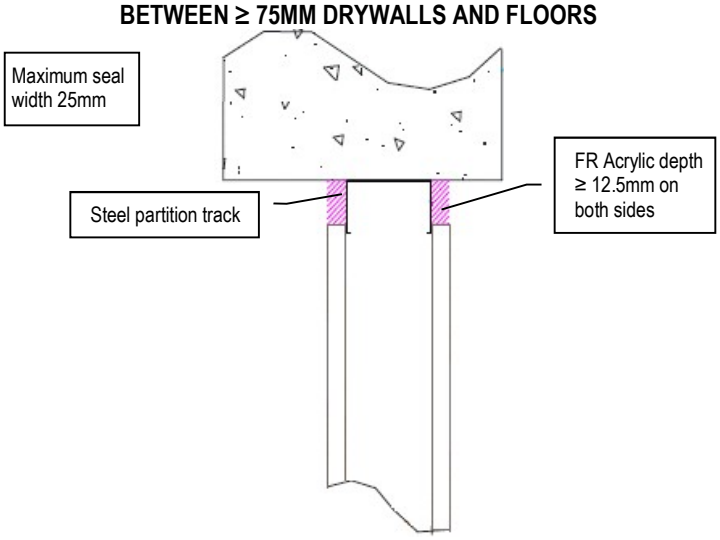
VERTICAL LINEAR SEALS FIRE RESISTANCE EI 45 (E 60)

IN ≥ 75MM DRYWALLS OR BETWEEN WALLS



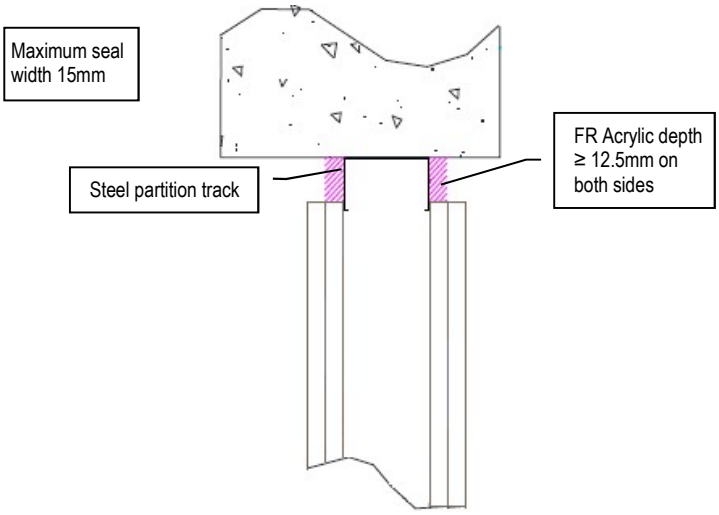
HORIZONTAL LINEAR SEALS FIRE RESISTANCE EI 45 (E 60)

BETWEEN ≥ 75MM DRYWALLS AND FLOORS



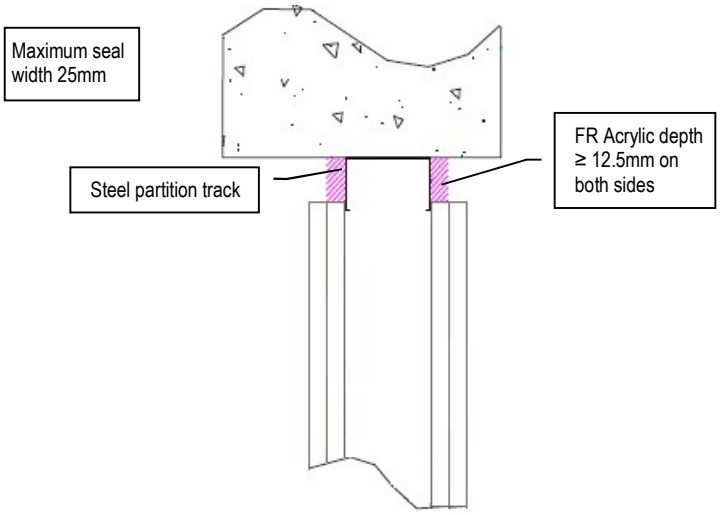
VERTICAL LINEAR SEALS FIRE RESISTANCE EI 90 (E 90)

IN ≥ 100MM DRYWALLS OR BETWEEN WALLS



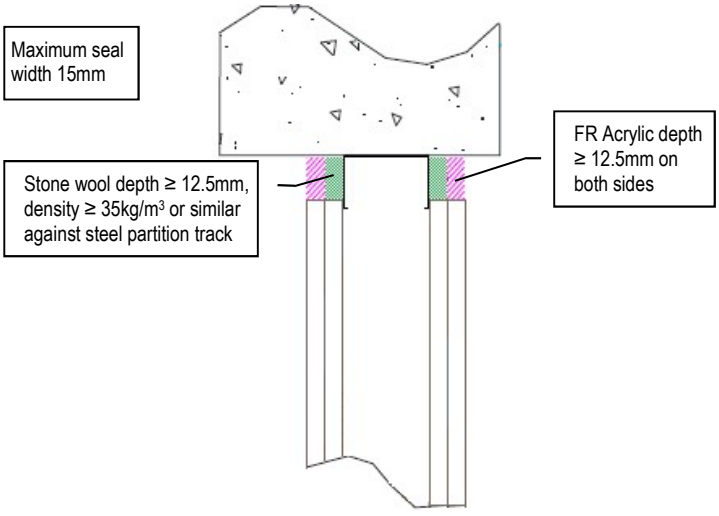
HORIZONTAL LINEAR SEALS FIRE RESISTANCE EI 90 (E 90)

BETWEEN ≥ 100MM DRYWALLS AND FLOORS



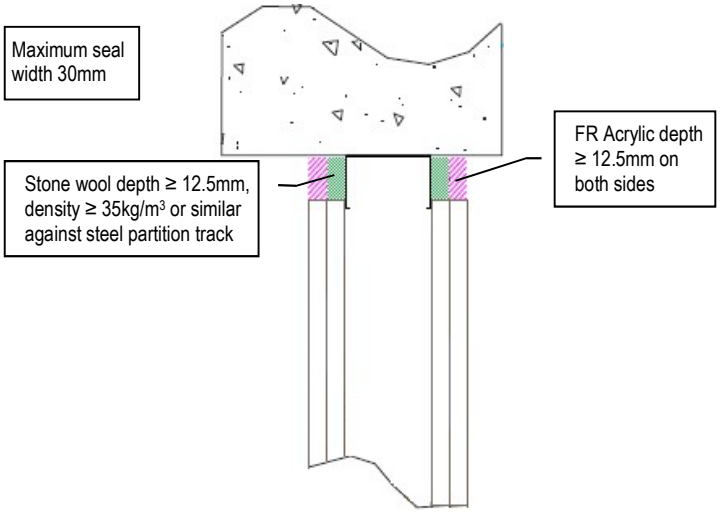
VERTICAL LINEAR SEALS FIRE RESISTANCE EI 90 (E 90)

IN ≥ 100MM DRYWALLS OR BETWEEN WALLS



HORIZONTAL LINEAR SEALS FIRE RESISTANCE EI 120 (E 120)

BETWEEN ≥ 100MM DRYWALLS AND FLOORS

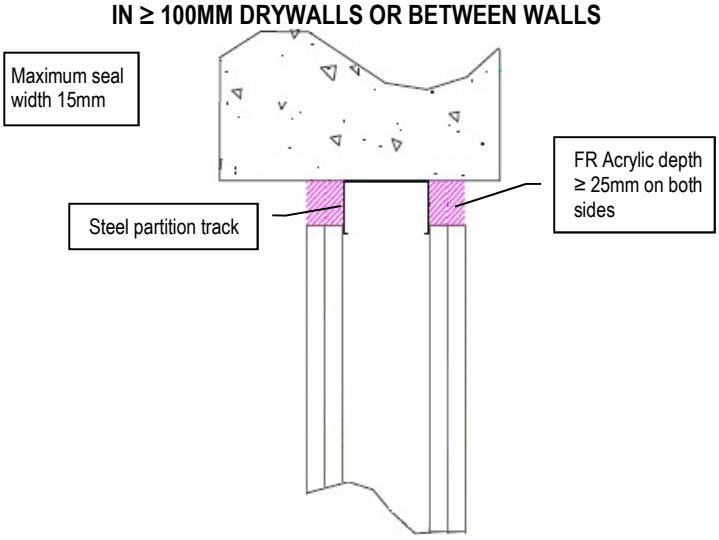


ETA
Installation Guide to
ETA 13/0879 & 18/0904

www.protecta.eu
Polyseam Ltd tel.+44(0)1484421036
17 (26) 2019 11 11

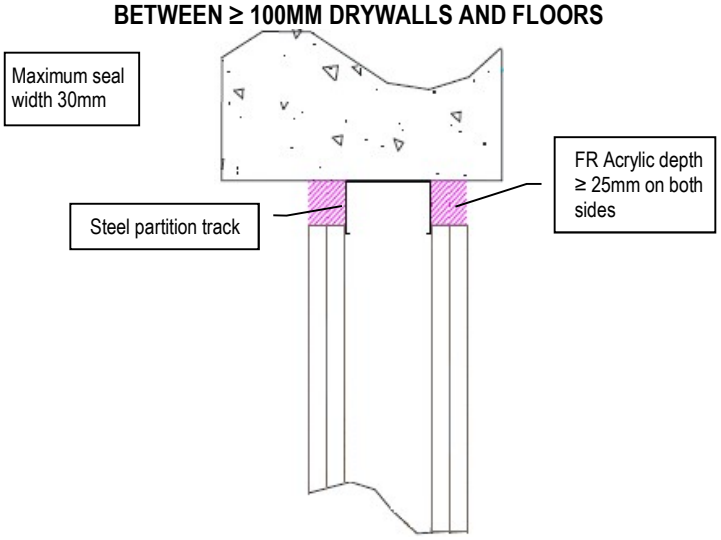
VERTICAL LINEAR SEALS FIRE RESISTANCE EI 90 (E 90)

IN ≥ 100MM DRYWALLS OR BETWEEN WALLS



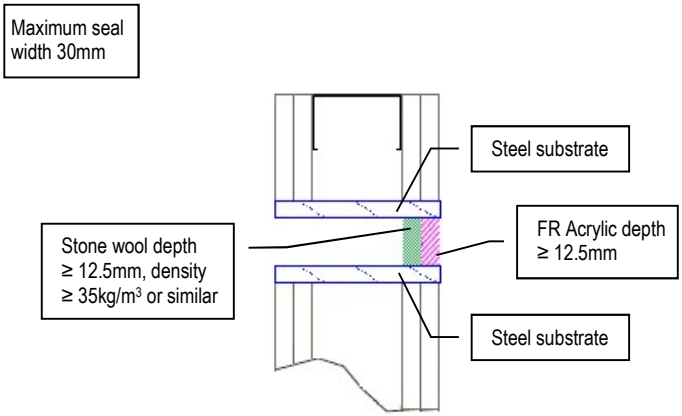
HORIZONTAL LINEAR SEALS FIRE RESISTANCE EI 120 (E 120)

BETWEEN ≥ 100MM DRYWALLS AND FLOORS



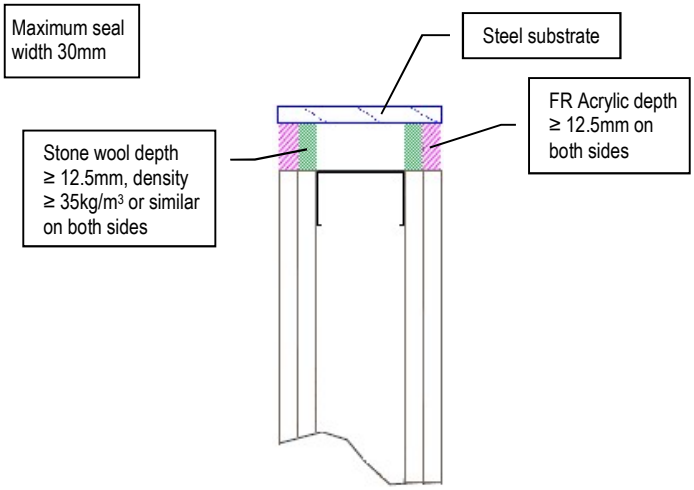
LINEAR SEALS FIRE RESISTANCE EI 30 (E 120)

IN ≥ 100MM DRYWALLS, MASONRY OR CONCRETE WALLS



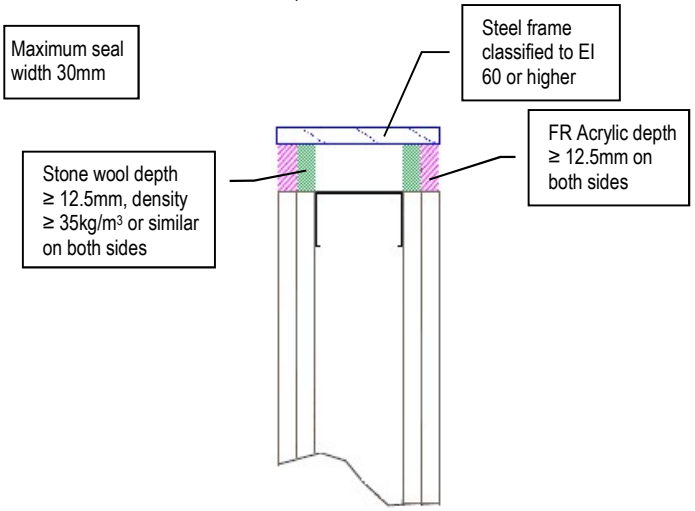
HORIZONTAL LINEAR SEALS FIRE RESISTANCE EI 45 (E 120)

IN ≥ 100MM DRYWALLS, MASONRY OR CONCRETE WALLS



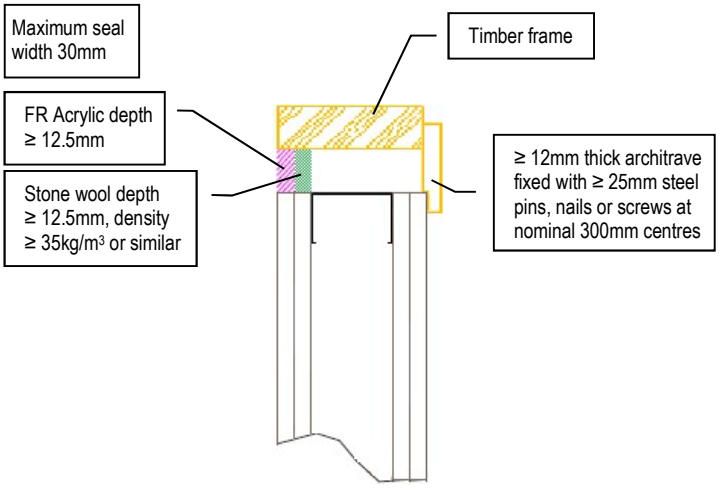
LINEAR SEALS FIRE RESISTANCE EI 60 (E 120)

IN ≥ 100MM DRYWALLS, MASONRY OR CONCRETE WALLS



LINEAR SEALS FIRE RESISTANCE EI 60 (E 60)

IN ≥ 100MM DRYWALLS, MASONRY OR CONCRETE WALLS

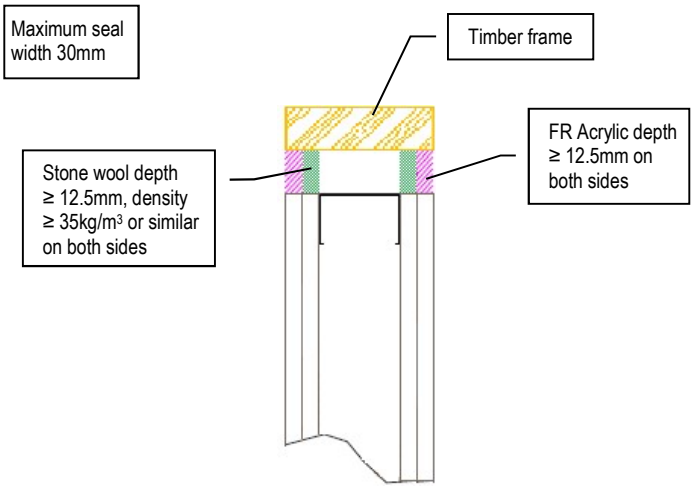


Installation Guide to
ETA 13/0879 & 18/0904

www.protecta.eu
Polyseam Ltd tel.+44(0)1484421036
18 (26) 2019 11 11

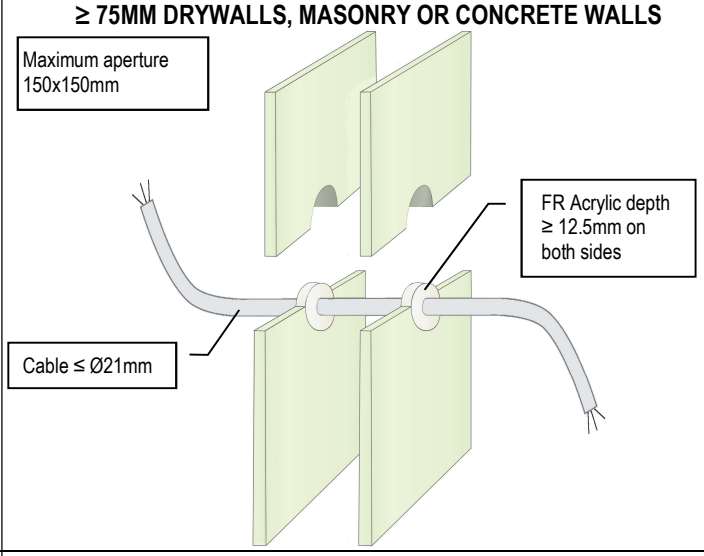
LINEAR SEALS FIRE RESISTANCE EI 60 (E 90)

IN ≥ 100MM DRYWALLS, MASONRY OR CONCRETE WALLS



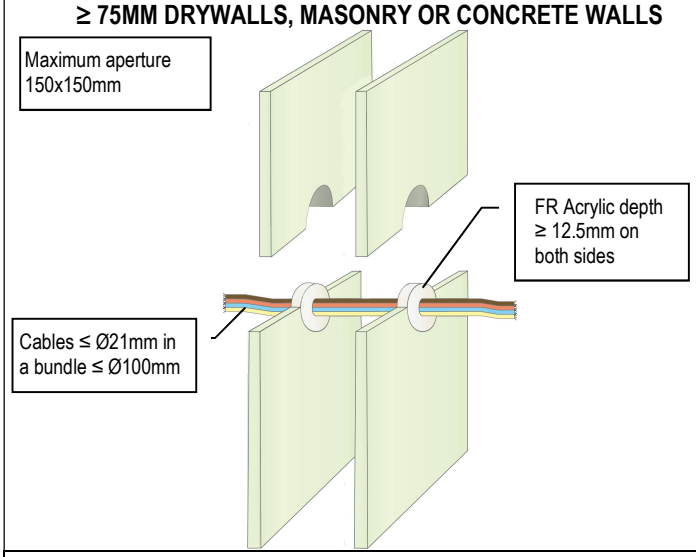
CABLE FIRE RESISTANCE EI 45 (E 60)

≥ 75MM DRYWALLS, MASONRY OR CONCRETE WALLS



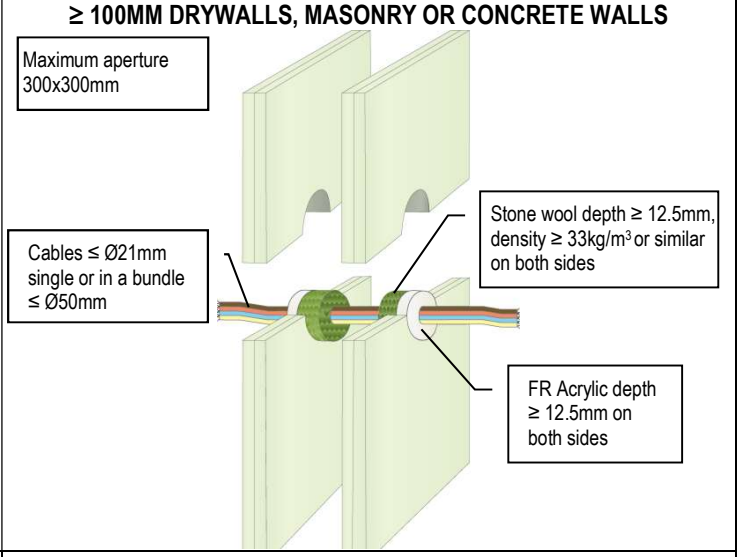
CABLES FIRE RESISTANCE EI 30 (E 45)

≥ 75MM DRYWALLS, MASONRY OR CONCRETE WALLS



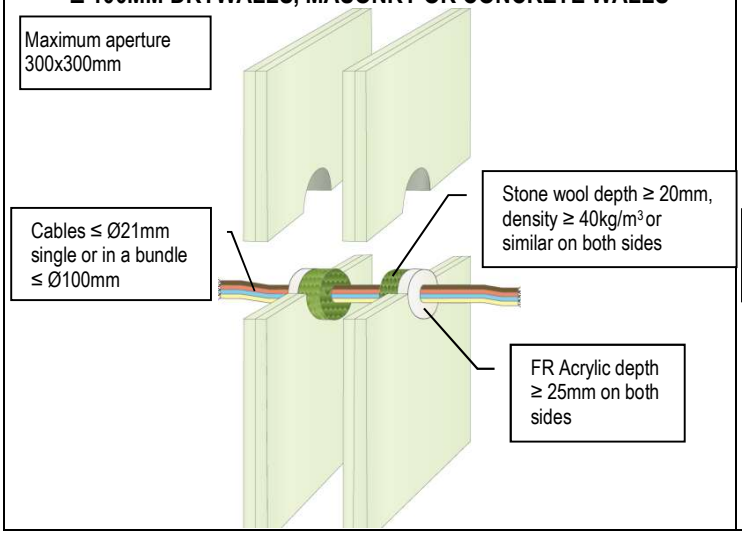
CABLES FIRE RESISTANCE EI 90 (E 120)

≥ 100MM DRYWALLS, MASONRY OR CONCRETE WALLS



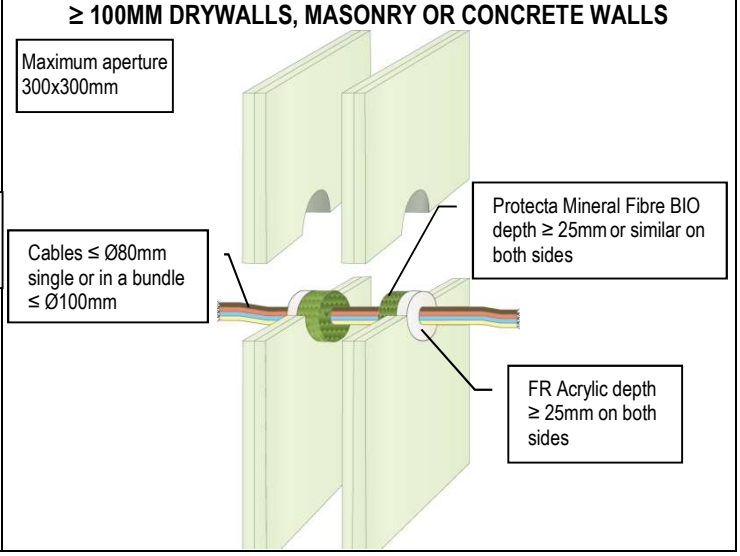
CABLES FIRE RESISTANCE EI 120 (E 120)

≥ 100MM DRYWALLS, MASONRY OR CONCRETE WALLS



CABLES FIRE RESISTANCE EI 60 (E 120)

≥ 100MM DRYWALLS, MASONRY OR CONCRETE WALLS

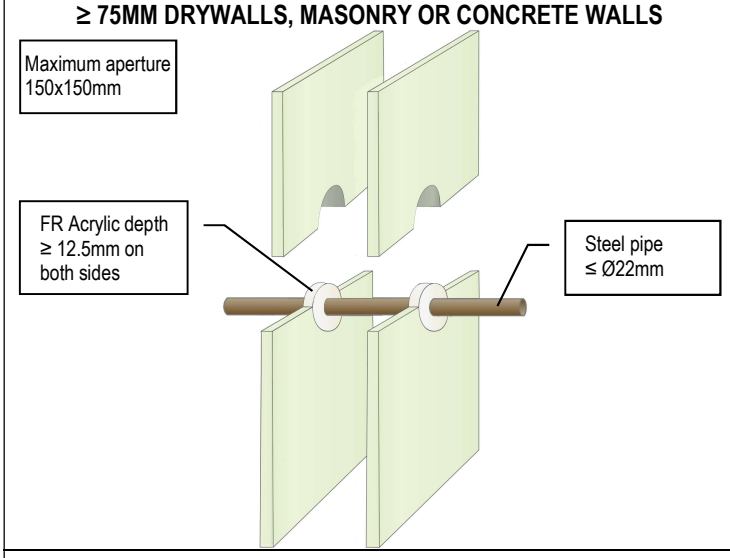


ETA
Installation Guide to
ETA 13/0879 & 18/0904

www.protecta.eu
Polyseam Ltd tel.+44(0)1484421036
19 (26) 2019 11 11

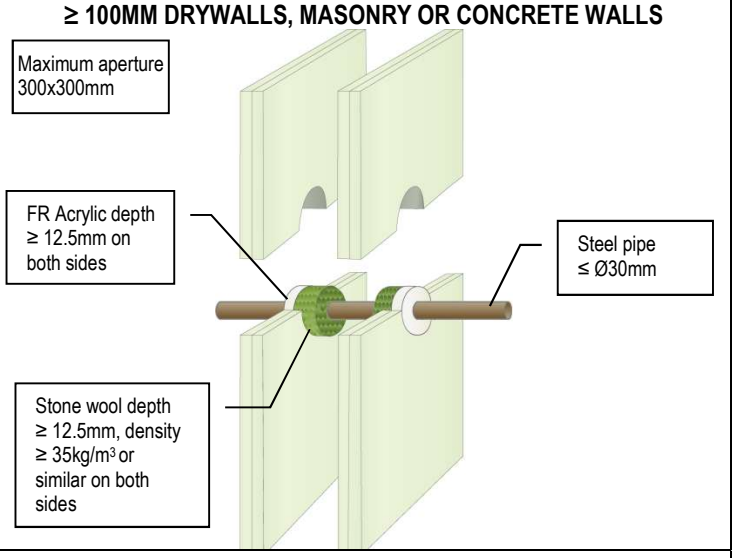
STEEL PIPE FIRE RESISTANCE EI 30 C/U (E 60 C/U)

≥ 75MM DRYWALLS, MASONRY OR CONCRETE WALLS



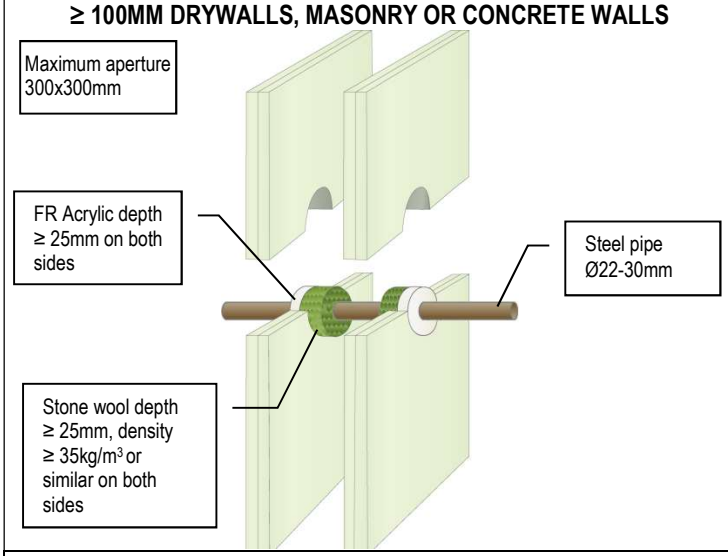
STEEL PIPE FIRE RESISTANCE EI 90 C/C (E 90 C/C)

≥ 100MM DRYWALLS, MASONRY OR CONCRETE WALLS



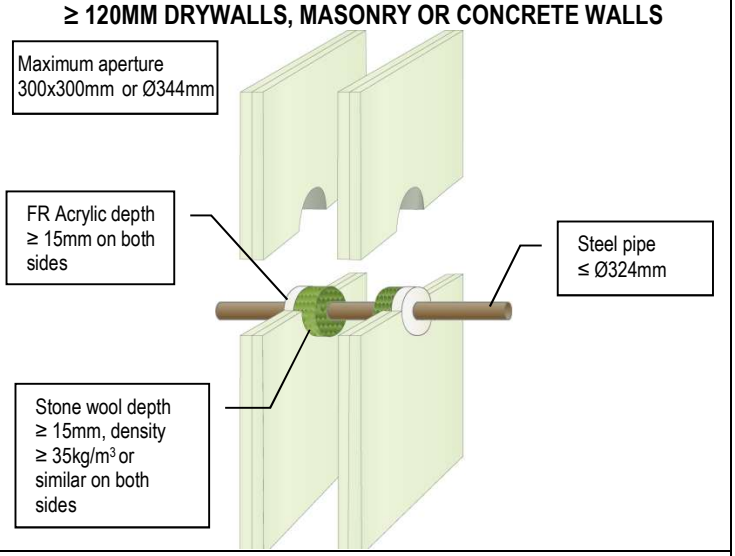
STEEL PIPE FIRE RESISTANCE EI 120 C/C (E 120 C/C)

≥ 100MM DRYWALLS, MASONRY OR CONCRETE WALLS



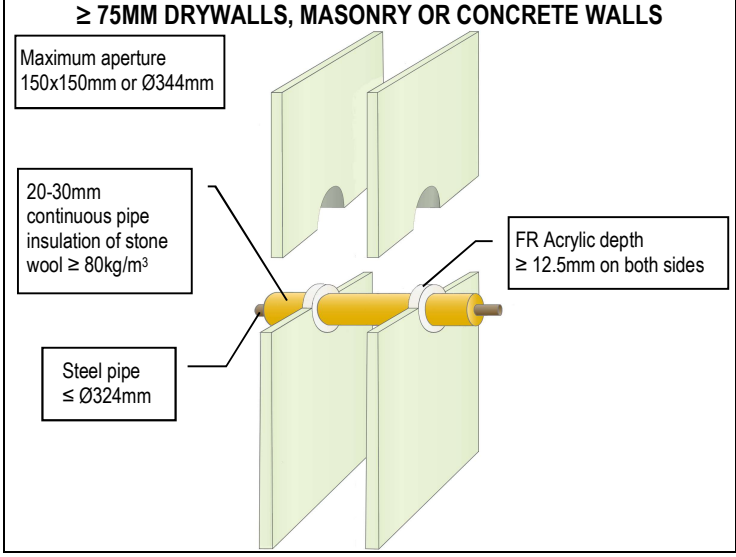
STEEL PIPE FIRE RESISTANCE E 120 C/U

≥ 120MM DRYWALLS, MASONRY OR CONCRETE WALLS



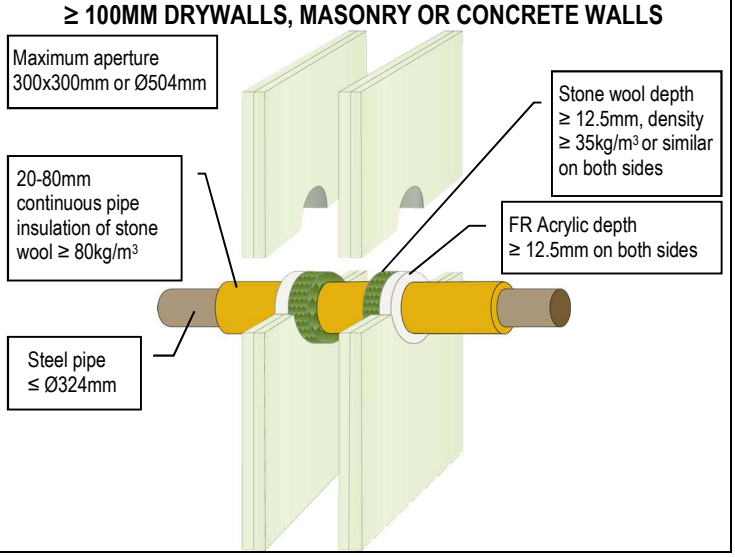
INSULATED STEEL PIPE FIRE RESISTANCE EI 45 C/U (E 60 C/U)

≥ 75MM DRYWALLS, MASONRY OR CONCRETE WALLS



INSULATED STEEL PIPE FIRE RESISTANCE EI 90 C/U (E 120)

≥ 100MM DRYWALLS, MASONRY OR CONCRETE WALLS

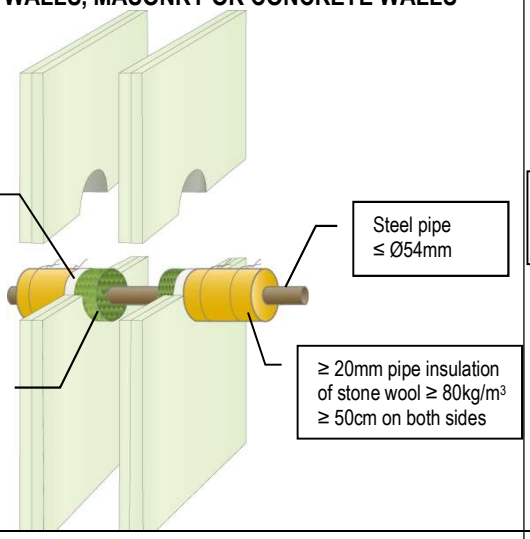


ETA
Installation Guide to
ETA 13/0879 & 18/0904

www.protecta.eu
Polyseam Ltd tel.+44(0)1484421036
20 (26) 2019 11 11

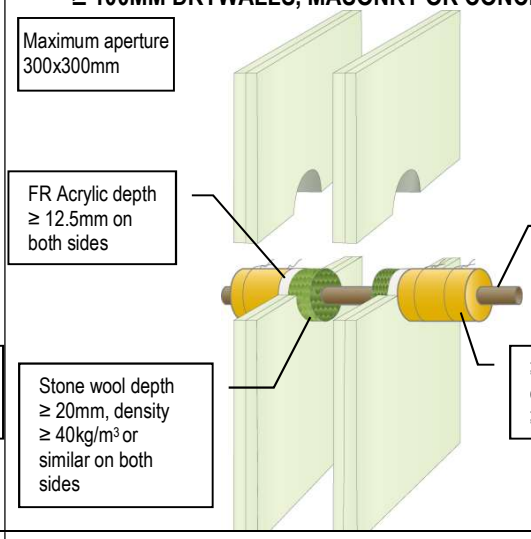
STEEL PIPE FIRE RESISTANCE EI 120 C/U (E 120 C/U)

≥ 100MM DRYWALLS, MASONRY OR CONCRETE WALLS



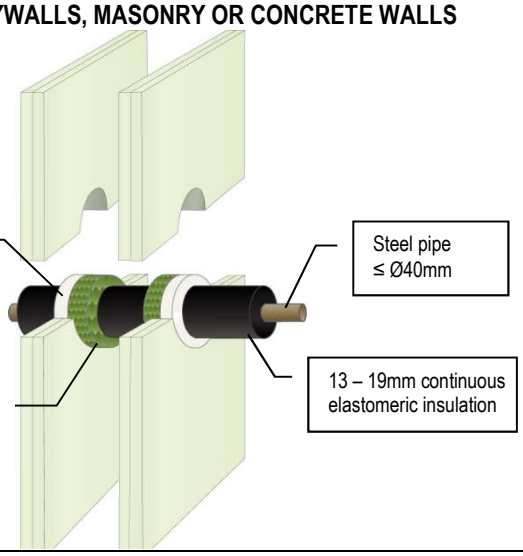
STEEL PIPE FIRE RESISTANCE EI 90 C/U (E 120 C/U)

≥ 100MM DRYWALLS, MASONRY OR CONCRETE WALLS



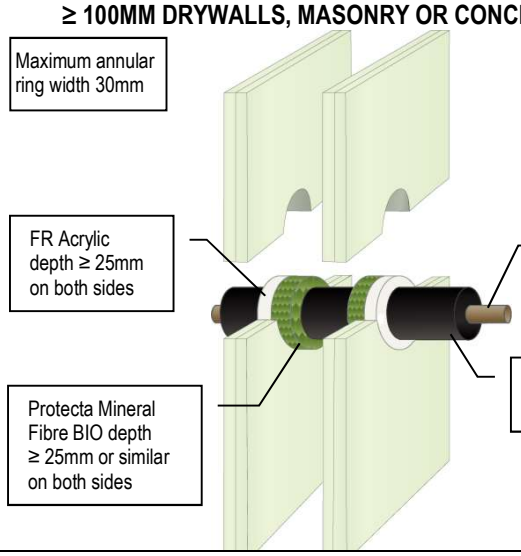
STEEL PIPE FIRE RESISTANCE EI 120 C/C (E 120 C/C)

≥ 100MM DRYWALLS, MASONRY OR CONCRETE WALLS



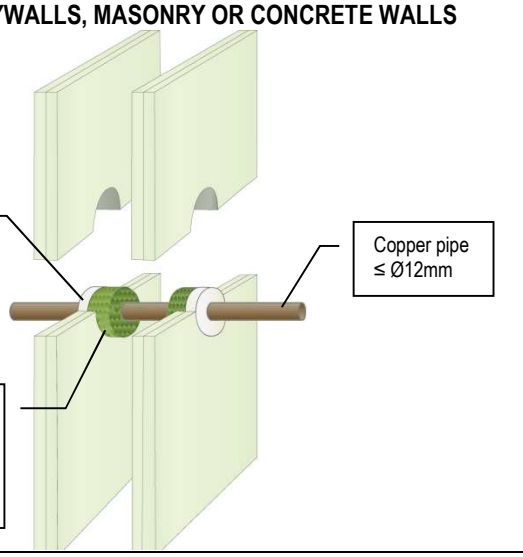
STEEL PIPE FIRE RESISTANCE EI 60 C/C (E 120 C/C)

≥ 100MM DRYWALLS, MASONRY OR CONCRETE WALLS



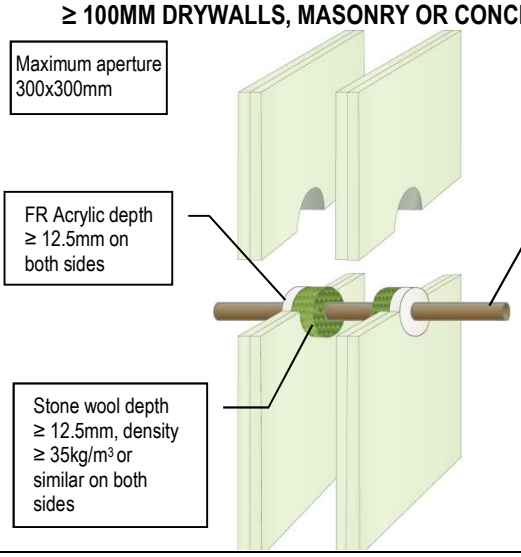
COPPER PIPE FIRE RESISTANCE EI 60 C/C (E 90 C/C)

≥ 100MM DRYWALLS, MASONRY OR CONCRETE WALLS



COPPER PIPE FIRE RESISTANCE EI 30 C/C (E 90 C/C)

≥ 100MM DRYWALLS, MASONRY OR CONCRETE WALLS

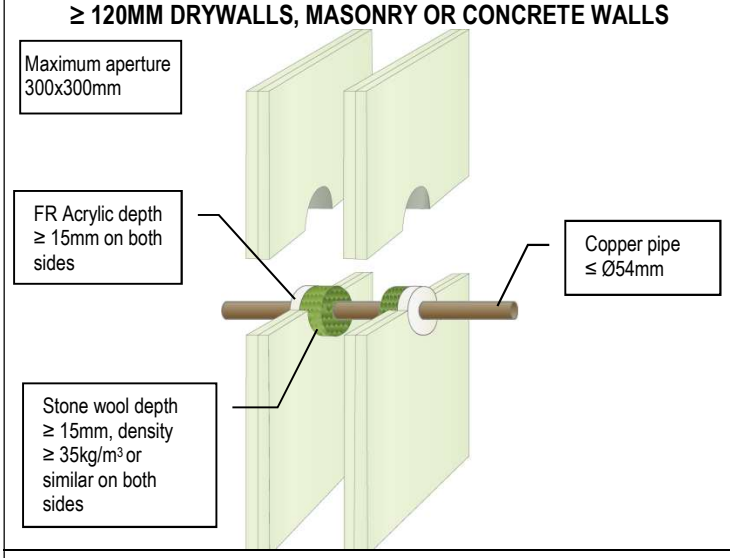


ETA
Installation Guide to
ETA 13/0879 & 18/0904

www.protecta.eu
Polyseam Ltd tel.+44(0)1484421036
21 (26) 2019 11 11

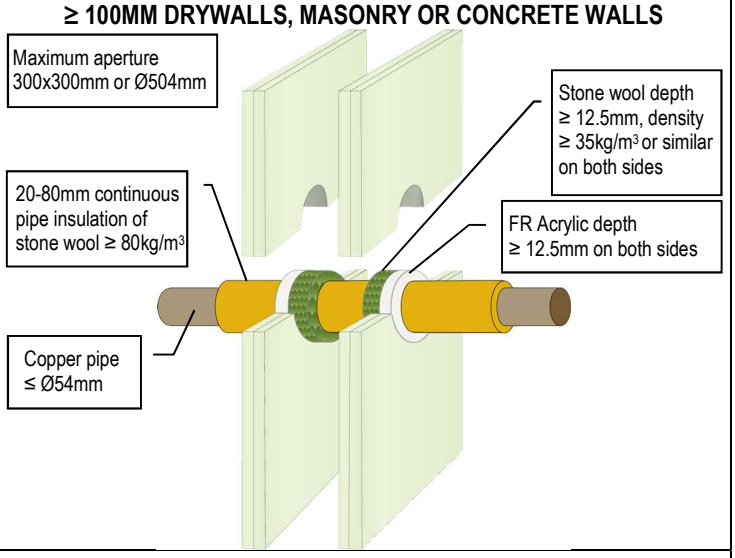
COPPER PIPE FIRE RESISTANCE E 120 C/C

≥ 120MM DRYWALLS, MASONRY OR CONCRETE WALLS



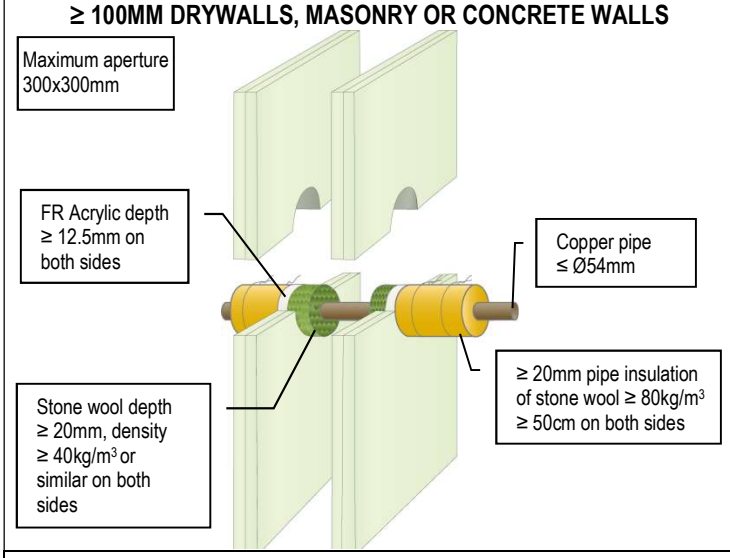
INSULATED COPPER PIPE FIRE RESISTANCE EI 60 C/C (E 120)

≥ 100MM DRYWALLS, MASONRY OR CONCRETE WALLS



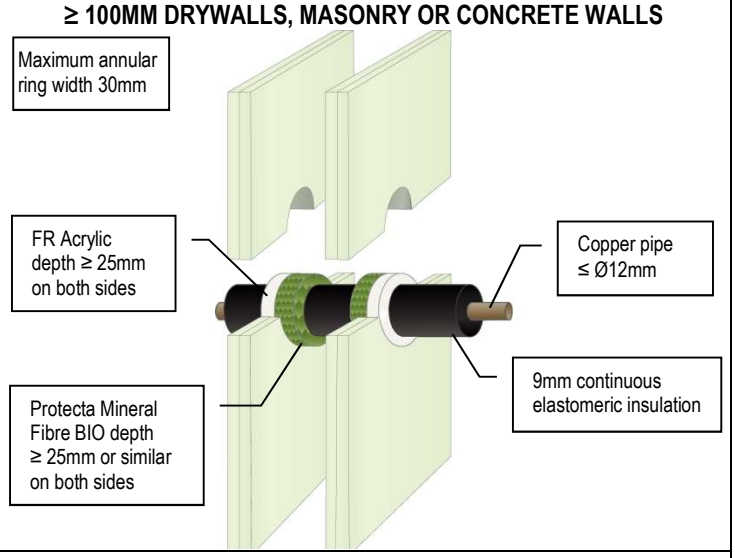
COPPER PIPE FIRE RESISTANCE EI 120 C/U (E 120 C/U)

≥ 100MM DRYWALLS, MASONRY OR CONCRETE WALLS



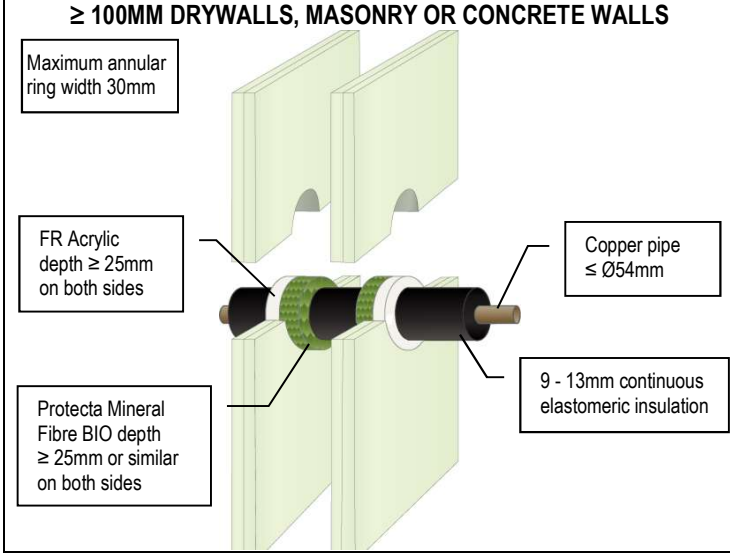
COPPER PIPE FIRE RESISTANCE EI 120 C/C (E 120 C/C)

≥ 100MM DRYWALLS, MASONRY OR CONCRETE WALLS



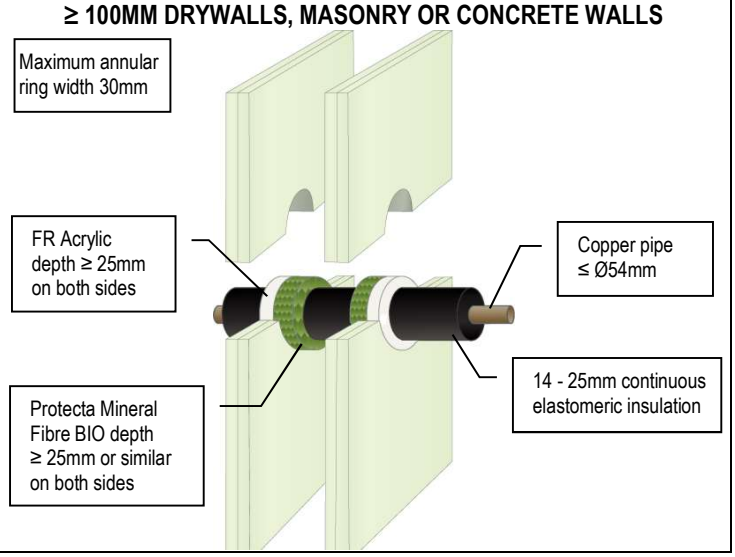
COPPER PIPE FIRE RESISTANCE EI 60 C/C (E 120 C/C)

≥ 100MM DRYWALLS, MASONRY OR CONCRETE WALLS



COPPER PIPE FIRE RESISTANCE EI 60 C/C (E 60 C/C)

≥ 100MM DRYWALLS, MASONRY OR CONCRETE WALLS

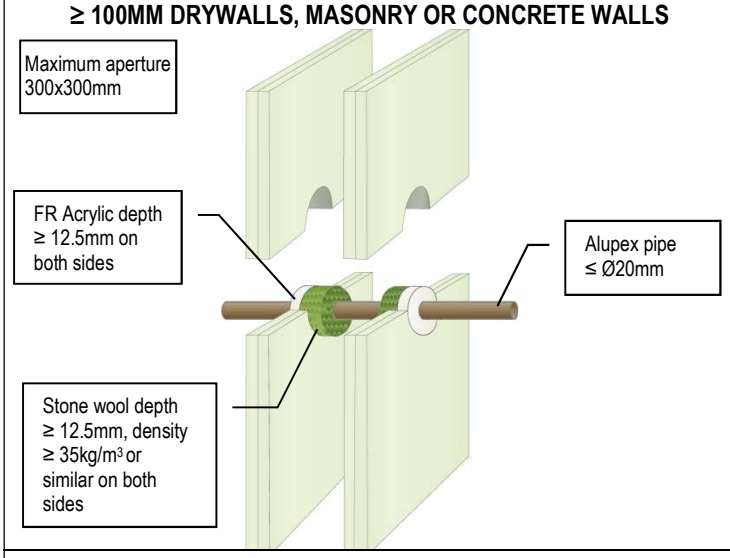


ETA
Installation Guide to
ETA 13/0879 & 18/0904

www.protecta.eu
Polyseam Ltd tel.+44(0)1484421036
22 (26) 2019 11 11

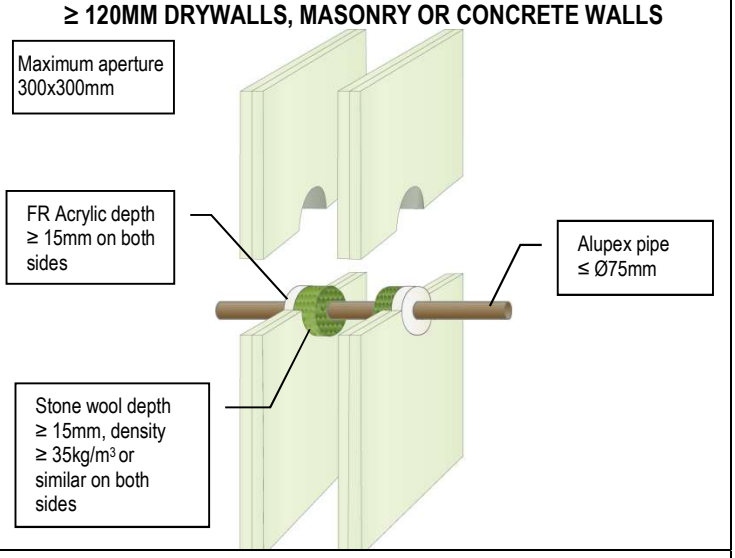
ALUPEX PIPE FIRE RESISTANCE EI 120 C/C (E 120 C/C)

≥ 100MM DRYWALLS, MASONRY OR CONCRETE WALLS



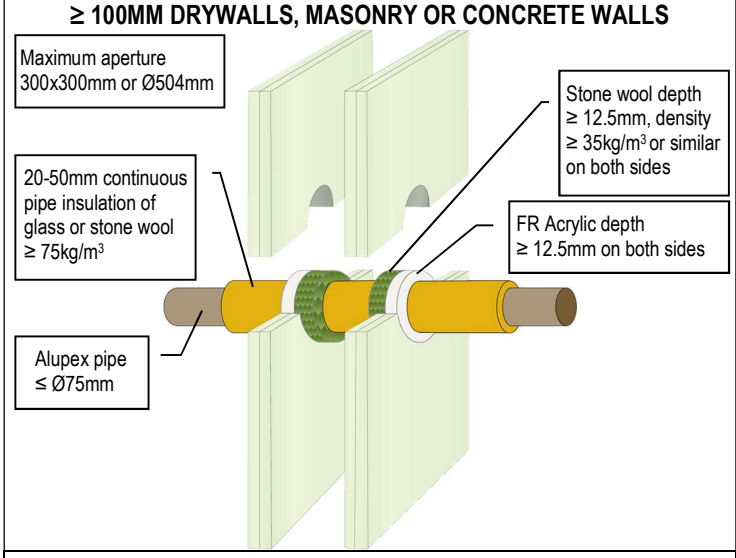
ALUPEX PIPE FIRE RESISTANCE EI 30 C/C (E 120 C/C)

≥ 120MM DRYWALLS, MASONRY OR CONCRETE WALLS



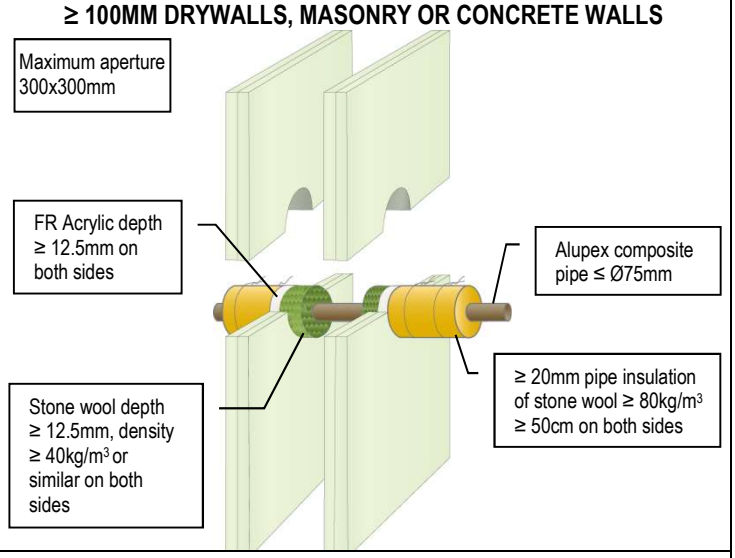
INSULATED ALUPEX PIPE FIRE RESISTANCE EI 120 C/C (E 120)

≥ 100MM DRYWALLS, MASONRY OR CONCRETE WALLS



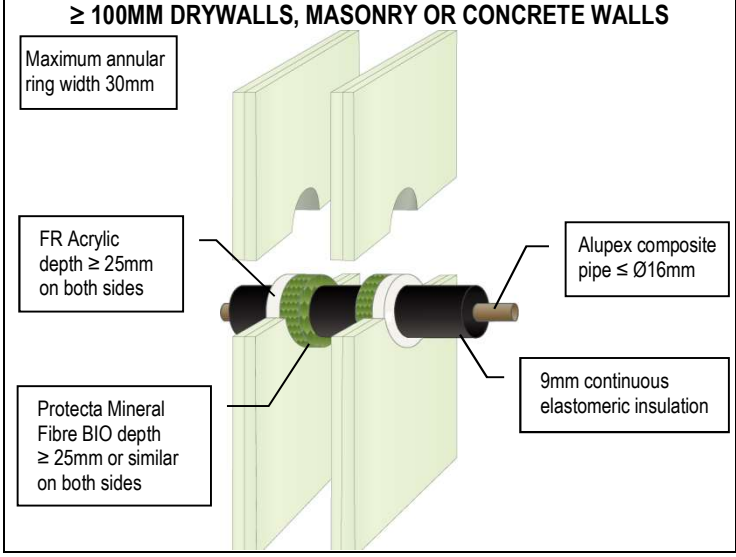
ALUPEX PIPE FIRE RESISTANCE EI 120 C/C (E 120 C/C)

≥ 100MM DRYWALLS, MASONRY OR CONCRETE WALLS



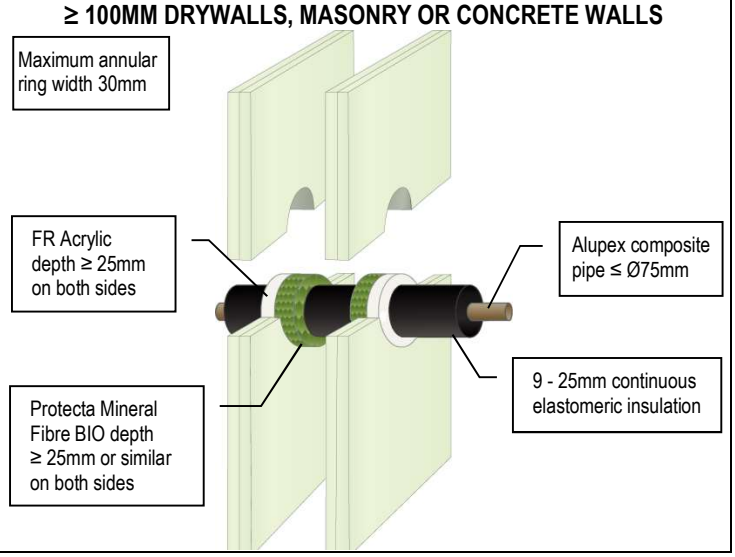
ALUPEX PIPE FIRE RESISTANCE EI 120 C/C (E 120 C/C)

≥ 100MM DRYWALLS, MASONRY OR CONCRETE WALLS



ALUPEX PIPE FIRE RESISTANCE EI 60 C/C (E 60 C/C)

≥ 100MM DRYWALLS, MASONRY OR CONCRETE WALLS

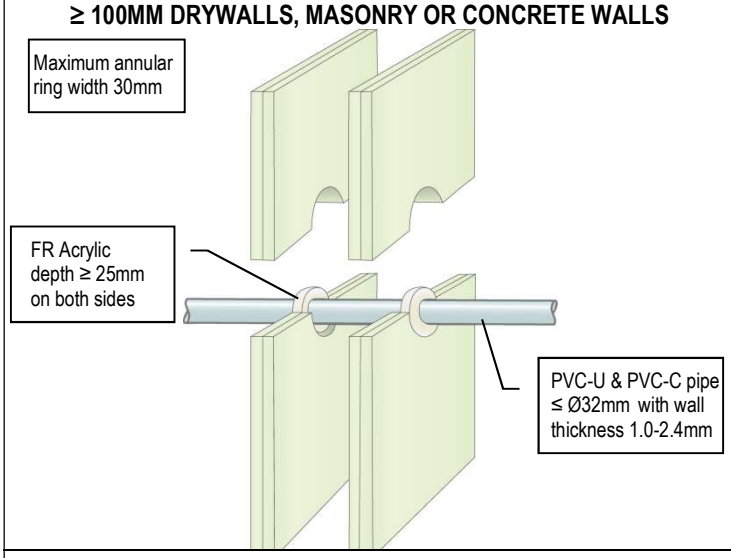


ETA
Installation Guide to
ETA 13/0879 & 18/0904

www.protecta.eu
Polyseam Ltd tel.+44(0)1484421036
23 (26) 2019 11 11

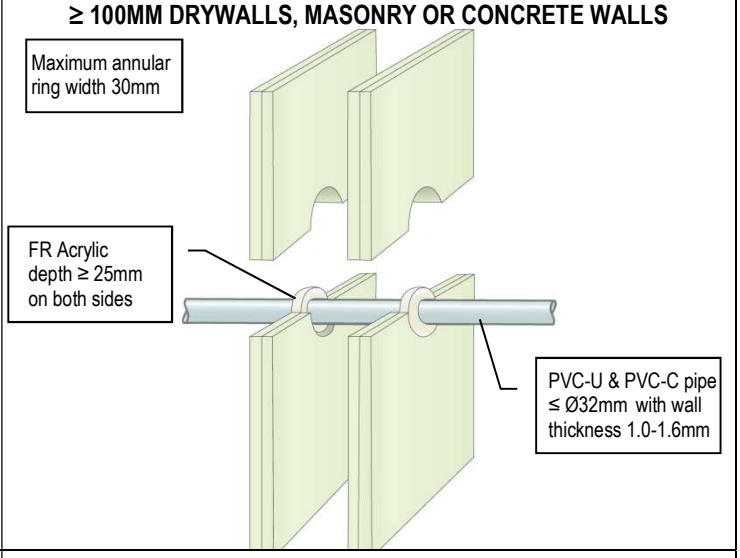
PVC PLASTIC PIPE FIRE RESISTANCE EI 90 U/C (E 120 U/C)

≥ 100MM DRYWALLS, MASONRY OR CONCRETE WALLS



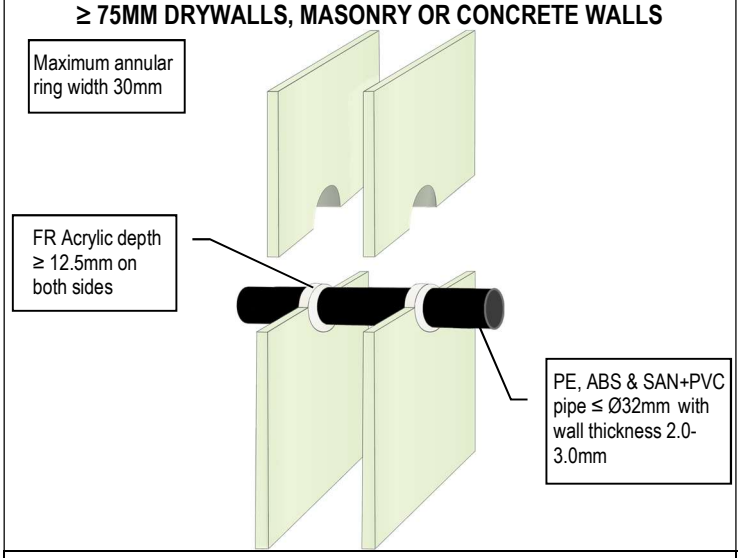
PVC PLASTIC PIPE FIRE RESISTANCE EI 120 C/C (E 120 C/C)

≥ 100MM DRYWALLS, MASONRY OR CONCRETE WALLS



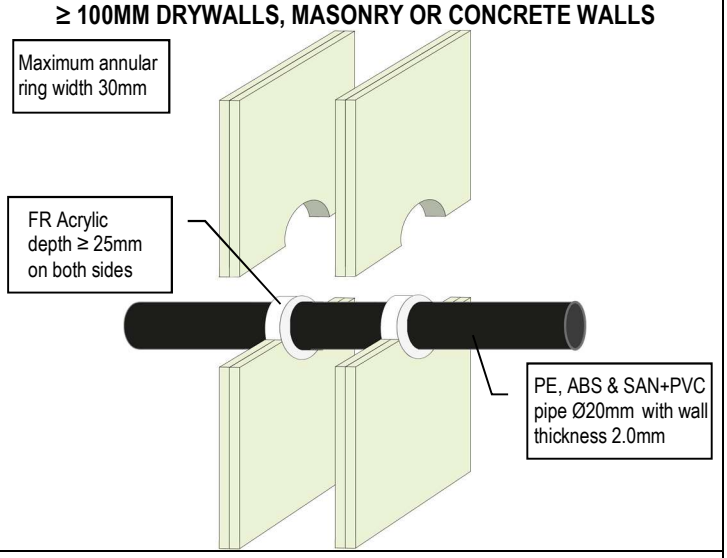
PE PLASTIC PIPE FIRE RESISTANCE EI 30 U/C (E 30 U/C)

≥ 75MM DRYWALLS, MASONRY OR CONCRETE WALLS



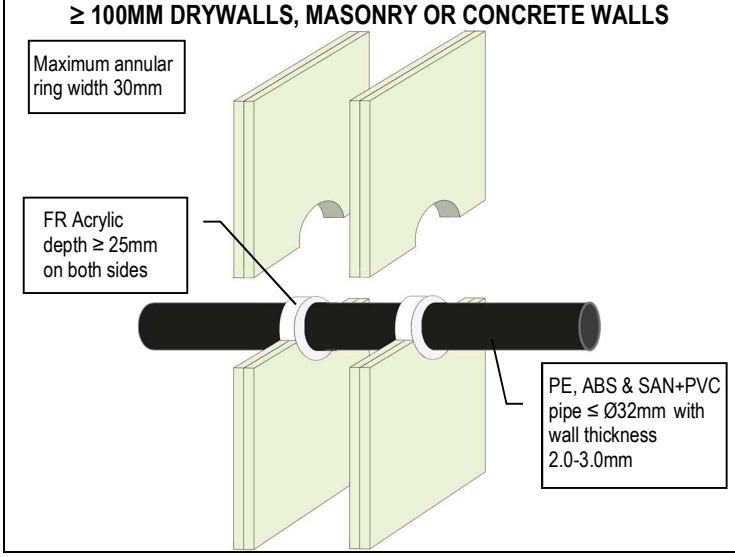
PE PLASTIC PIPE FIRE RESISTANCE EI 120 U/C (E 120 U/C)

≥ 100MM DRYWALLS, MASONRY OR CONCRETE WALLS



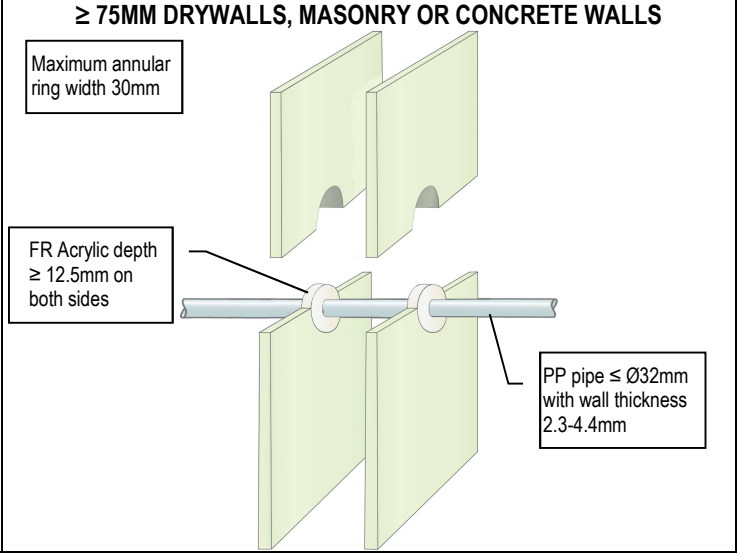
PE PLASTIC PIPE FIRE RESISTANCE EI 90 C/C (E 90 C/C)

≥ 100MM DRYWALLS, MASONRY OR CONCRETE WALLS



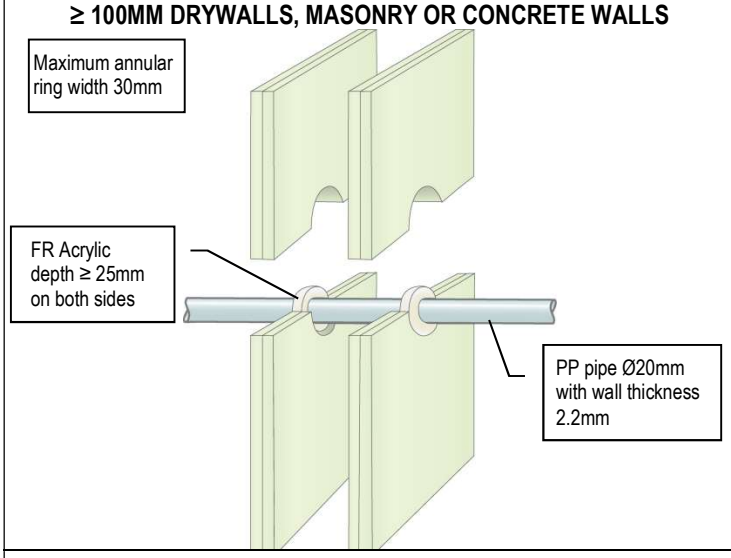
PP PLASTIC PIPE FIRE RESISTANCE EI 30 U/C (E 30 U/C)

≥ 75MM DRYWALLS, MASONRY OR CONCRETE WALLS



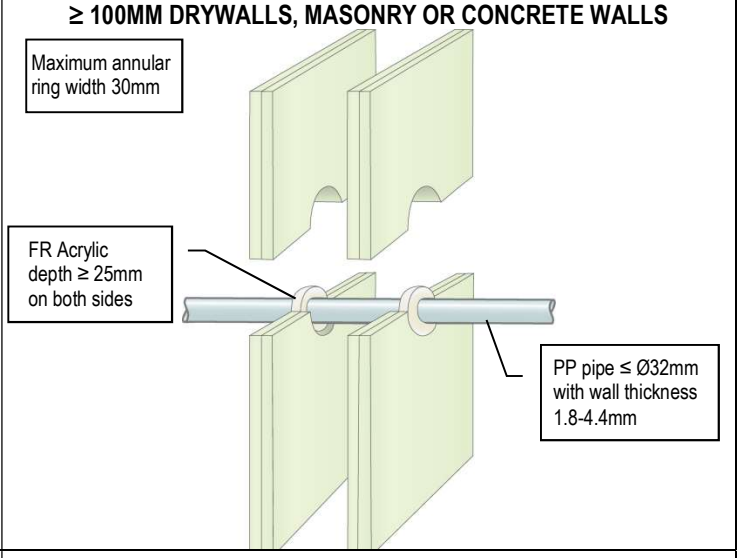
PP PLASTIC PIPE FIRE RESISTANCE EI 120 U/C (E 120 U/C)

≥ 100MM DRYWALLS, MASONRY OR CONCRETE WALLS



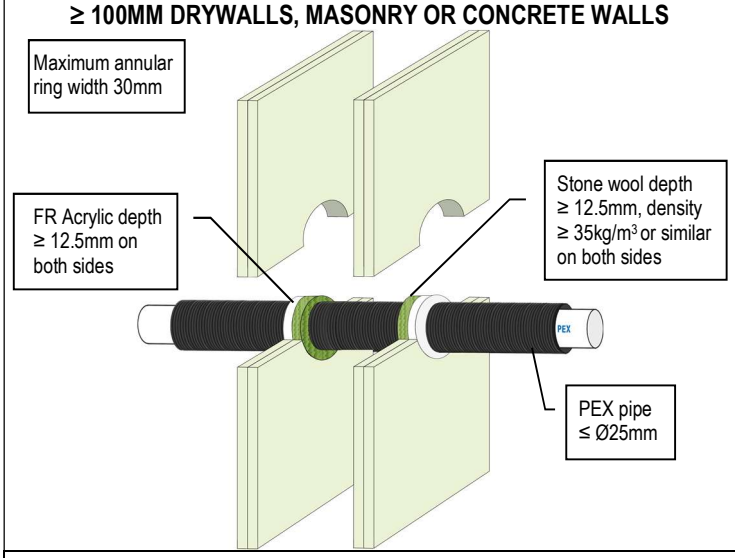
PP PLASTIC PIPE FIRE RESISTANCE EI 60 C/C (E 60 C/C)

≥ 100MM DRYWALLS, MASONRY OR CONCRETE WALLS



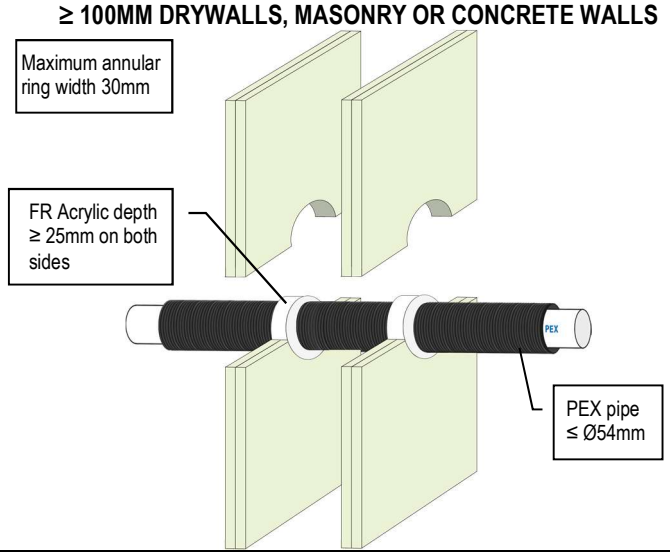
PEX PIPE-IN-PIPE SYSTEM FIRE RESISTANCE EI 120 C/C (E 120)

≥ 100MM DRYWALLS, MASONRY OR CONCRETE WALLS



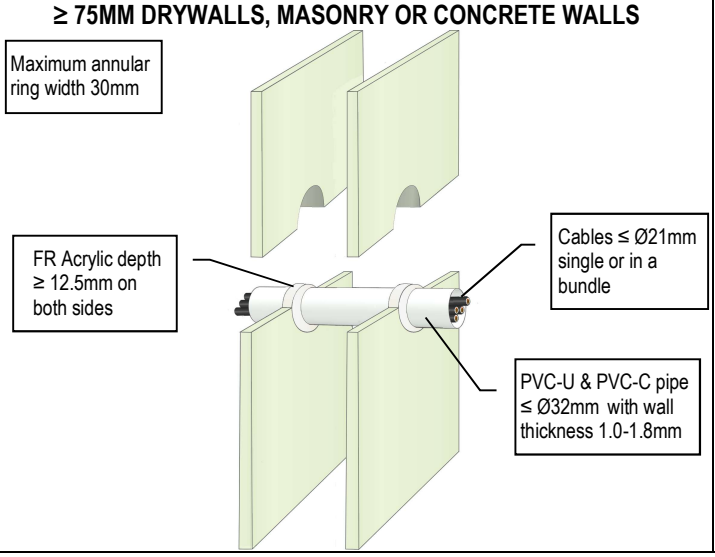
PEX PIPE-IN-PIPE SYSTEM FIRE RESISTANCE EI 45 C/C (E 60)

≥ 100MM DRYWALLS, MASONRY OR CONCRETE WALLS



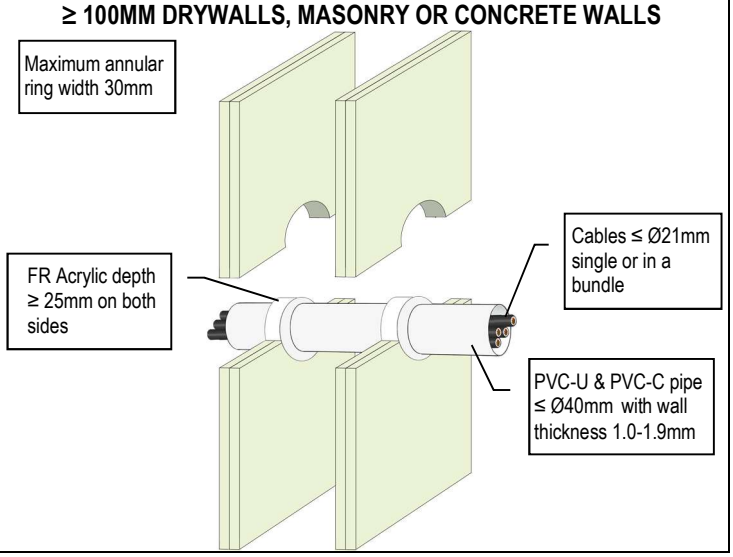
PVC CONDUIT FIRE RESISTANCE EI 45 U/C (E 60 U/C)

≥ 75MM DRYWALLS, MASONRY OR CONCRETE WALLS



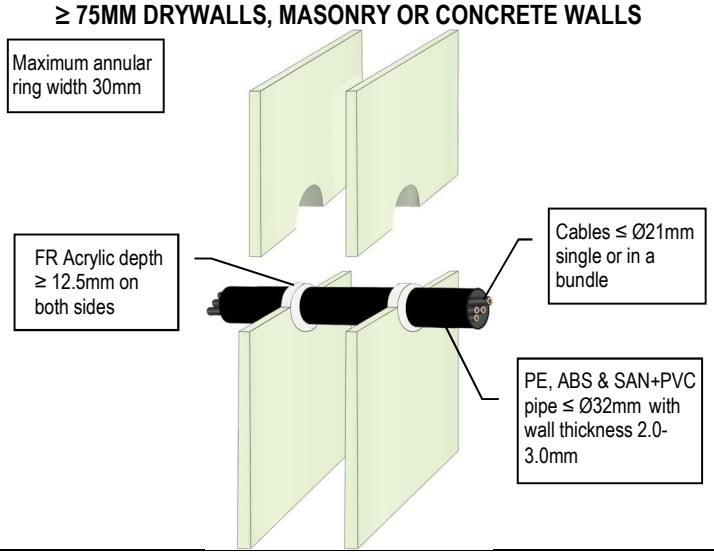
PVC CONDUIT FIRE RESISTANCE EI 120 U/C (E 120 U/C)

≥ 100MM DRYWALLS, MASONRY OR CONCRETE WALLS



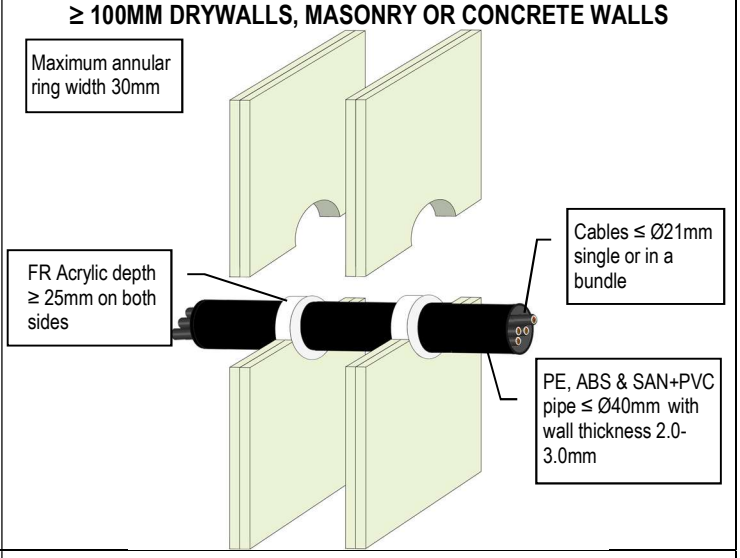
PE CONDUIT FIRE RESISTANCE EI 30 U/C (E 45 U/C)

≥ 75MM DRYWALLS, MASONRY OR CONCRETE WALLS



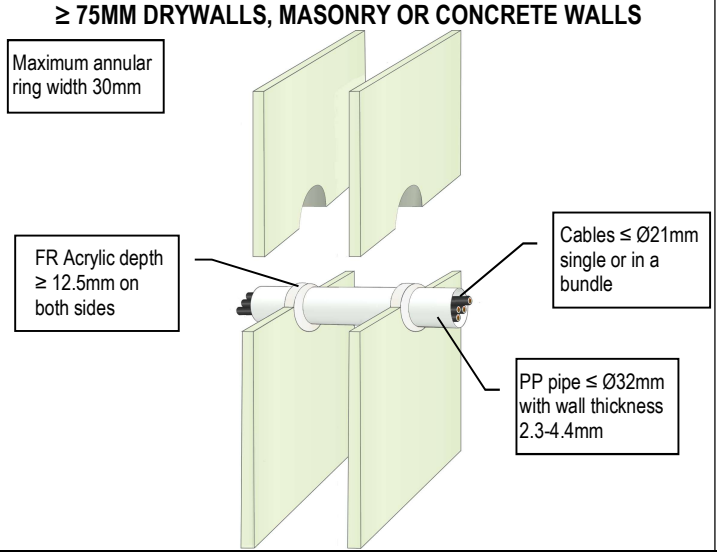
PE CONDUIT FIRE RESISTANCE EI 90 U/C (E 90 U/C)

≥ 100MM DRYWALLS, MASONRY OR CONCRETE WALLS



PP CONDUIT FIRE RESISTANCE EI 30 U/C (E 45 U/C)

≥ 75MM DRYWALLS, MASONRY OR CONCRETE WALLS



PP CONDUIT FIRE RESISTANCE EI 90 U/C (E 90 U/C)

≥ 100MM DRYWALLS, MASONRY OR CONCRETE WALLS