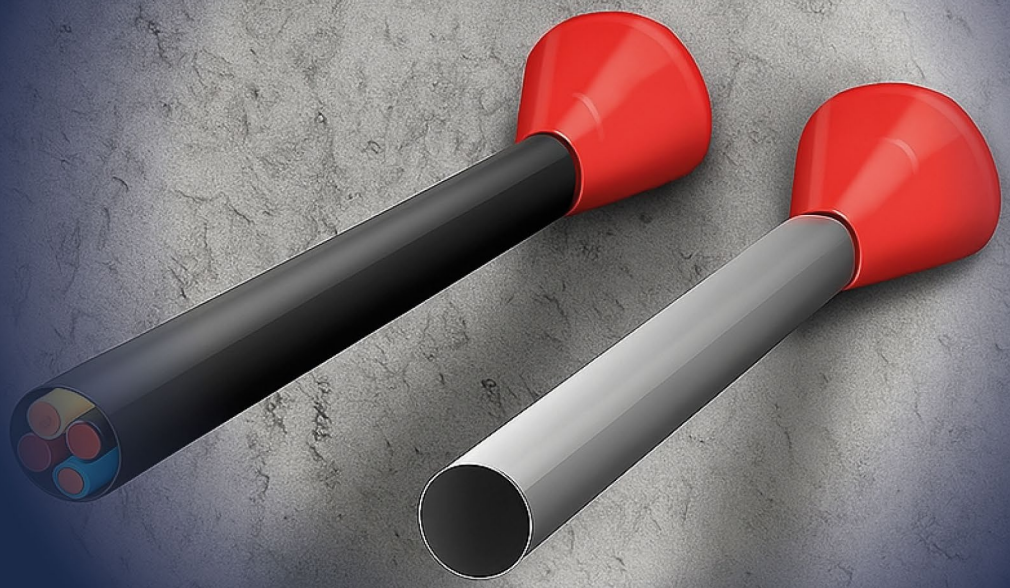
INTU FR PUTTY CORD

Fire rated flexible cord

TDS TECHNICAL DATA SHEET



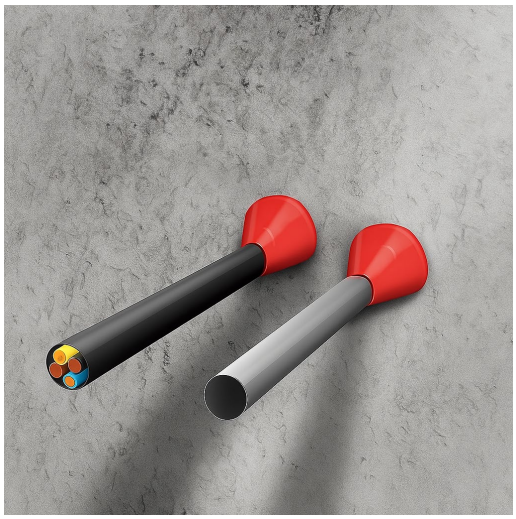
INTU FR PUTTY CORD

Fire rated flexible cord

TDS TECHNICAL DATA SHEET

PRODUCT DESCRIPTION

The **INTU FR PUTTY CORD** is designed to be easily fitted around service penetrations where the gap around the services is very small, or there is no gaps at all so a conventional fire rated sealant is impossible or difficult to fit due to the required depth and backing material. The putty cords are fitted covering the gap around the services and do not need to fill the gap to the required depth.



APPLICATION

The **INTU FR PUTTY CORD** is a flexible cord used to reinstate the fire resistance performance of wall and floor constructions where they have been provided with apertures for the penetration of insulated or uninsulated metallic pipes, cables, and pipes. The **INTU FR PUTTY CORD** is easy and hand workable to apply fire and sound rated flexible cord.

Flexible walls:	The wall must have a minimum thickness 100 mm, must comprise steel or timber studs lined on both faces with minimum two layers (with overall board layer thickness on one side equal to or greater than 25 mm) of boards.
Rigid walls:	The wall must have a minimum thickness 100 mm, must comprise all type concrete or masonry elements, with a minimum density 650 kg/m³.
Rigid floor:	The floor must have a minimum thickness 150 mm, must comprise aerated or reinforced concrete, concrete, with a minimum density 550 kg/m³.

AVAILABILITY

Product	Contents	Packaging	Pallet	Article no.
INTU FR PUTTY CORD	5 pcs	box	256 box/pallet	INFRPTPC

COMPLIANCE

- *Test standard:*
  EN 1366-3 / EAD 350454-00-1104
- *European Technical Assessment:*
  ETA 25/0668 of 29/07/2025
- *Declaration of Performance:*
  DoP 4/2025

TRANSPORT AND STORAGE

Store in oryginal packaging, in dry conditions, at a temperature between +5°C to +30°C.

ALFASEAL GROUP Sp. z o.o.
Kineskopowa 1
05-500 Piaseczno, Poland
VAT No.: PL1231274821

alfaseal.pl
intuseal.com

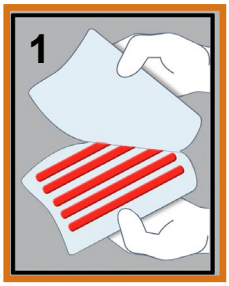
+48 22 498 7 498

sprzedaz@alfaseal.pl
sales@intuseal.com

INTU FR PUTTY CORD

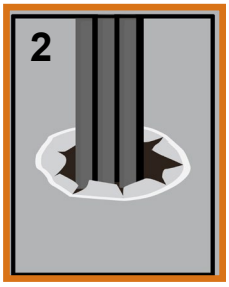
Fire rated flexible cord

INSTALLATION METHOD

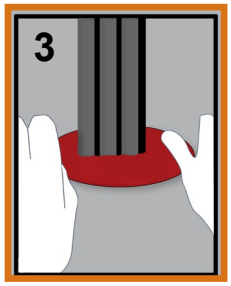


Before installing **INTU FR PUTTY CORD** ensure that the surface of all service penetrations and surrounding construction is wiped clean, dry, free from all loose contaminants, dust, oils and grease.

1. Remove the backing paper from one side of the cords. To aid adhesion to porous substrates take a thumb size piece of the putty cord and gently rub over the required installation mounting area (especially important in soffit applications).



2. When installing **INTU FR PUTTY CORD** in hollow floor slabs or boards, fire seals should be installed from the soffit side of the floor assuming this product certification covers the application. Where this is not the case and only top-sided applications are approved, simply fire seal on both sides.



3. Place the **INTU FR PUTTY CORD** around the services so that it seals the services to the wall or floor all the way round. Press the **INTU FR PUTTY CORD** into the wall or floor and services with your thumbs to form a fillet or V shape joint, ensuring good contact is made all the way round the services and the wall or floor.

TECHNICAL DATA

	Colour	Red
	Condition	Ready for use, silicone based putty pad
Sound insulation	**cord over 15mm**	Min. Rw (C;Ctr)= 70 (-2;-9) dB
	cord 50mm deep	Min. Rw (C;Ctr)= 63 (-1;-4) dB
	air vent	Min. Rw (C;Ctr)= 43 (0;-1) dB
	Air permeability	up to 1000 Pa, Leakage = 2,49 m^3/h (positive pressure); 3,25 m^3/h (negative pressure)
	Density	1,55 g/ml
	Application temperature	+4 °C to +40 °C
	Service temperature	-70 °C to +120 °C
	Usage category	Type Z_2: intended for uses in internal conditions with humidity lower than 85 % RH excluding temperatures below 0°C, without exposure to rain or UV
	Methods used for the assessment	EAD 350454-00-1104 "Fire Stopping and Fire Sealing Products. Penetration Seals"
	Approvals	ETA 25/0668 of 29/07/2025
	Function preservation	25 years

ALFASEAL GROUP Sp. z o.o.
Kineskopowa 1
05-500 Piaseczno, Poland
VAT No.: PL1231274821

alfaseal.pl
intuseal.com

+48 22 498 7 498

sprzedaz@alfaseal.pl
sales@intuseal.com

➔ FIRE RESISTANCE CLASSIFICATION

CABLES

Services	**FLEXIBLE / RIGID WALLS** with thickness ≥ 100 mm		**RIGID FLOOR** with thickness ≥ 150 mm	
	Fire resistance class	**Application**	**Fire resistance class**	**Application**
Blank seal (Ø ≤ 50 mm)	EI 120	One INTU FR PUTTY CORD (Ø15 mm) from both sided of the wall	-	
Electrical cables $Ø_{CABLE}$ ≤ 21 mm, single or in bundle $Ø_{BUNDLE}$ ≤ 50 mm	EI 120		EI 240	One INTU FR PUTTY CORD (Ø15 mm) from both side of the floor
Electrical cables $Ø_{CABLE}$ ≤ 80 mm, single or in bundle $Ø_{BUNDLE}$ ≤ 50 mm	EI 60		-	

Services	**RIGID FLOOR** with thickness ≥ 150 mm	
	Fire resistance class	**Application**
Electrical cables $Ø_{CABLE}$ ≤ 21 mm	EI 60	One INTU FR PUTTY CORD (Ø15 mm) from the bottom of the floor
	EI 120	One INTU FR PUTTY CORD (Ø15 mm) from the top of the floor
Electrical cables $Ø_{CABLE}$ ≤ 50 mm	EI 90	
Electrical cables $Ø_{CABLE}$ ≤ 80 mm	EI 60	
Electrical cables $Ø_{CABLE}$ ≤ 21 mm, single or in bundle $Ø_{BUNDLE}$ ≤ 50 mm	EI 60	
Single A1 or C3 type cable	EI 240	One INTU FR PUTTY CORD (Ø15 mm) from the top of the floor
Single E or D1 or D2 type cable	EI 120	
Single D3 type cable	EI 60	

PIPES WITHOUT INSULATION

Pipe material	Pipe diameter Ø [mm]	Pipe wall thickness [mm]	**FLEXIBLE / RIGID WALLS** with thickness ≥ 100 mm	
			Fire resistance class	**Application**
Steel	Ø ≤ 22,0	≥ 0,6	EI 120 C/U	One INTU FR PUTTY CORD (Ø15 mm) from both side of the wall
	22,0 < Ø ≤ 30,0	≥ 2,0	EI 45 C/U	
ALUPEX pipe	Ø ≤ 16	2,0	EI 120 C/C	
	16 < Ø ≤ 20	2,0	EI 90 C/C	
	20 < Ø ≤ 75	≥ 4,6	EI 90 C/C	
Copper	Ø ≤ 6,0	≥ 2,0	EI 120 C/C	
	6,0 < Ø ≤ 12,0	≥ 2,0	EI 60 C/C	
PVC	Ø ≤ 25	1,5 mm	EI 60 U/C	

Pipe material	Pipe diameter Ø [mm]	Pipe wall thickness [mm]	**RIGID FLOOR** with thickness ≥ 150 mm	
			Fire resistance class	**Application**
Steel / Copper	Ø ≤ 10,0	≥ 0,7	EI 180 C/C	One INTU FR PUTTY CORD (Ø15 mm) from both side of the floor

ALFASEAL GROUP Sp. z o.o.
Kineskopowa 1
05-500 Piaseczno, Poland
VAT No.: PL1231274821
alfaseal.pl
intuseal.com
+48 22 498 7 498
sprzedaz@alfaseal.pl
sales@intuseal.com

INTU FR PUTTY CORD

Fire rated flexible cord

TDS TECHNICAL DATA SHEET

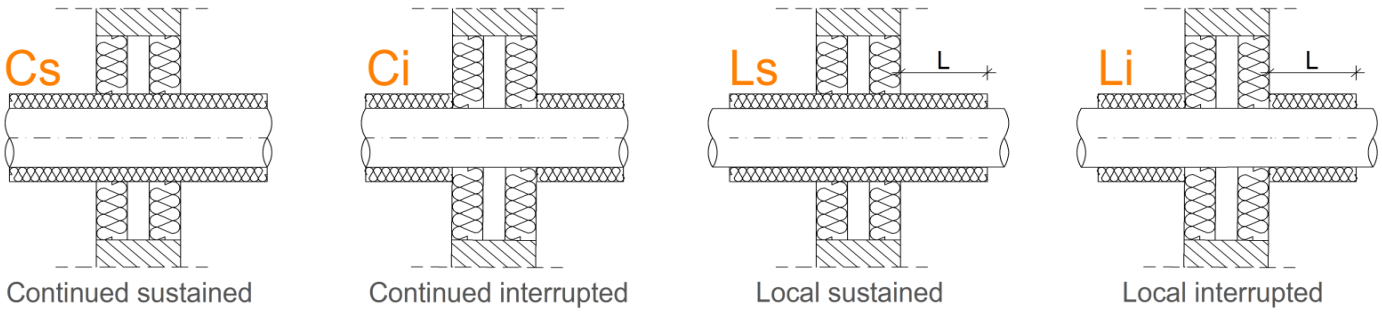
Pipe material	Pipe diameter Ø [mm]	Pipe wall thickness [mm]	**RIGID FLOOR** with thickness ≥ 150 mm	
			Fire resistance class	**Application**
Steel	Ø ≤ 4,0	≥ 1,0	EI 120 C/U	One INTU FR PUTTY CORD (Ø15 mm) from the bottom of the floor
	4,0 < Ø ≤ 30,0	≥ 1,0	EI 45 C/U	
Copper	Ø ≤ 6,0	≥ 0,6	EI 90 C/C	
	6,0 < Ø ≤ 12,0	≥ 0,9	EI 30 C/C	

Pipe material	Pipe diameter Ø [mm]	Pipe wall thickness [mm]	**RIGID FLOOR** with thickness ≥ 150 mm	
			Fire resistance class	**Application**
Steel	Ø ≤ 22,0	≥ 1,2	EI 120 C/U	One INTU FR PUTTY CORD (Ø15 mm) from the top of the floor
Copper	Ø ≤ 6,0	≥ 0,7	EI 120 C/C	
	6,0 < Ø ≤ 10,0	≥ 0,7	EI 90 C/C	
ALUPEX pipe	Ø ≤ 20	2,25 – 8,0	EI 240 C/C	
	20 < Ø ≤ 75	4,6 – 14,2	EI 30 C/C	

PIPES WITH INSULATION

Pipe insulation configuration

Continuous | **Local**



Pipe material	Pipe diameter Ø [mm]	Pipe wall thickness [mm]	**FLEXIBLE / RIGID WALLS** with thickness ≥ 100 mm				
			Pipe insulation type	**Pipe isolation thickness x minimum length [mm]**	**Isolation configuration**	**Fire resistance class**	**Application**
Steel	Ø ≤ 40,0	≥ 1,0	Mineral wool[1*]	20 x 500	Ci, Li Cs, Ls	EI 120 C/U	One INTU FR PUTTY CORD (Ø15 mm) from both side of the wall
	40,0 < Ø ≤ 324,0			30 x 500	Ci, Li	EI 120 C/U	
					Cs, Ls	EI 60 C/U	
Copper or steel	Ø ≤ 50,0	≥ 1,2	Mineral wool[1*]	20 x 500	Ci, Li	EI 60 C/U	
	Ø ≤ 12,0	≥ 0,7	Mineral wool[1*]	20	Cs, Ls	EI 60 C/C	
	Ø ≤ 54,0	≥ 1,2		30			
ALUPEX pipe	Ø ≤ 16	2,25 – 8,0	Mineral wool[1*]	20 x 500	Ci, Li Cs, Ls	EI 90 C/U	
	16 < Ø ≤ 75	4,6 – 14,2		30 x 500			

[1*]Mineral wool density minimum 80 kg/m^3

ALFASEAL GROUP Sp. z o.o.
Kineskopowa 1
05-500 Piaseczno, Poland
VAT No.: PL1231274821

alfaseal.pl
intuseal.com

+48 22 498 7 498

sprzedaz@alfaseal.pl
sales@intuseal.com

INTU FR PUTTY CORD

Fire rated flexible cord

TDS TECHNICAL DATA SHEET

Pipe material	Pipe diameter Ø [mm]	Pipe wall thickness [mm]	**RIGID WALLS** with thickness ≥ 150 mm				
			Pipe insulation type	Pipe isolation thickness [mm]	Isolation configuration	Fire resistance class	Application
Steel	Ø ≤ 40,0	≥ 1,0	Mineral wool[1*]	20	Cs, Ls	EI 120 C/U	One INTU FR PUTTY CORD (Ø15 mm) from both side of the wall
	40,0 < Ø ≤ 324,0			30		EI 180 C/U	
Copper or steel	Ø ≤ 54,0	≥ 1,2	Mineral wool[1*]	20	Cs, Ls	EI 120 C/C	
ALUPEX pipe	Ø ≤ 16	2,25 – 8,0	Mineral wool[1*]	20	Cs, Ls	EI 240 C/C	
	16 < Ø ≤ 75	4,6 – 14,2		30			

[1*]Mineral wool density minimum 80 kg/m³

Pipe material	Pipe diameter Ø [mm]	Pipe wall thickness [mm]	**RIGID FLOOR** with thickness ≥ 150 mm				
			Pipe insulation type	Pipe isolation thickness x minimum length [mm]	Isolation configuration	Fire resistance class	Application
Steel	Ø ≤ 40,0	≥ 1,0	Mineral wool[1*]	20 x 500	Ci, Li, Cs, Ls	EI 240 C/U	One INTU FR PUTTY CORD (Ø15 mm) from the top of the floor
	40,0 < Ø ≤ 324,0			30 x 500	Ci, Li	EI 60 C/U	
				30 x 500	Cs, Ls	EI 240 C/U	
	Ø ≤ 40,0	≥ 1,0	Glass or mineral wool[2*]	20 x 500	Ci, Li	EI 180 C/U	
				20	Cs, Ls	EI 120 C/U	
Copper or steel	Ø ≤ 12	≥ 0,7	Mineral wool[1*]	20 x 500	Ci, Li, Cs, Ls	EI 240 C/C	
	12 < Ø ≤ 54	≥ 1,2		30 x 500			
	Ø ≤ 12	≥ 0,7	Glass or mineral wool[2*]	20 x 500	Ci, Li	EI 240 C/C	
	12 < Ø ≤ 54	≥ 1,2		20 x 500		EI 120 C/C	
	Ø ≤ 12	≥ 0,7	Glass or mineral wool[2*]	20	Cs, Ls	EI 240 C/C	
	12 < Ø ≤ 54	≥ 1,2				EI 90 C/C	
ALUPEX pipe	Ø ≤ 16	2,25 – 8,0	Mineral wool[1*]	20 x 500	Ci, Li, Cs, Ls	EI 240 C/C	
	16 < Ø ≤ 75	4,6 – 14,2		30 x 500			
	Ø ≤ 16	2,25 – 8,0	Glass or mineral wool[2*]	20	Cs, Ls	EI 120 C/C	
	16 < Ø ≤ 75	4,6 – 14,2					

[1*]Mineral wool density minimum 80 kg/m³
[2*]Glass or mineral wool density minimum 75 kg/m³

ALFASEAL GROUP Sp. z o.o.
Kineskopowa 1
05-500 Piaseczno, Poland
VAT No.: PL1231274821

alfaseal.pl
intuseal.com

+48 22 498 7 498

sprzedaz@alfaseal.pl
sales@intuseal.com

INTU FR PUTTY CORD

Fire rated flexible cord

TDS TECHNICAL DATA SHEET

SOLUTION DETAILS

Fig.1 Cables in a flexible wall with thick ≥ 100 mm
INTU FR PUTTY CORD from both side of the wall

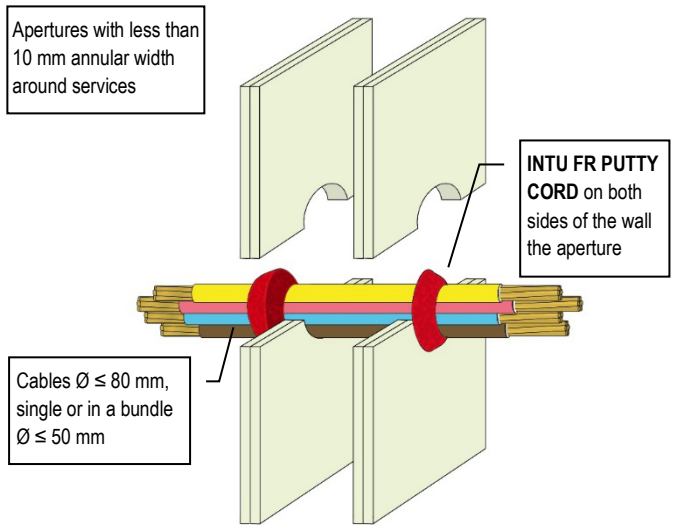


Fig.2 Steel pipe in a flexible wall with thick ≥ 100 mm
INTU FR PUTTY CORD from both side of the wall

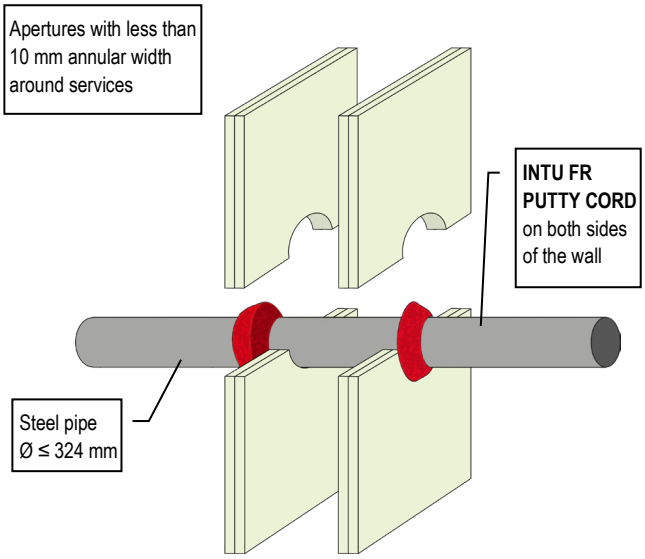


Fig.3 Copper pipe in a flexible wall with thick ≥ 100mm
INTU FR PUTTY CORD from both side of the wall

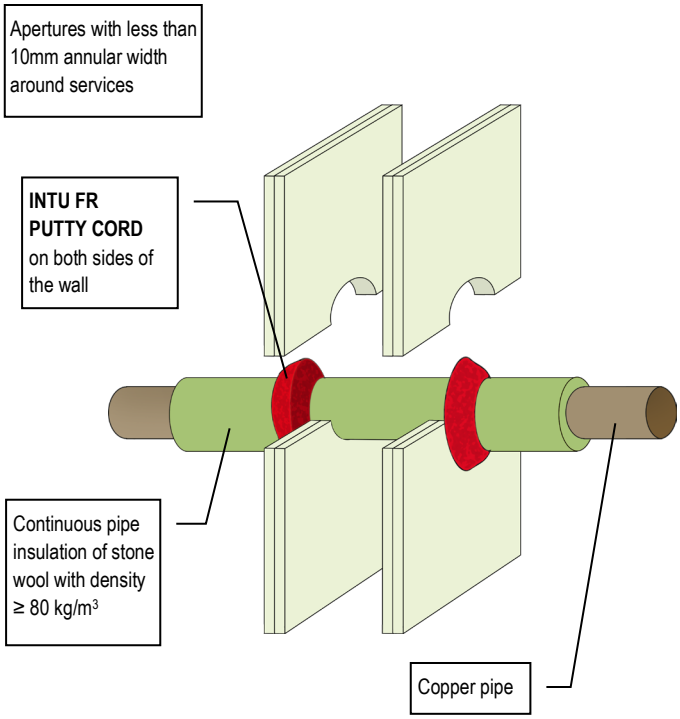
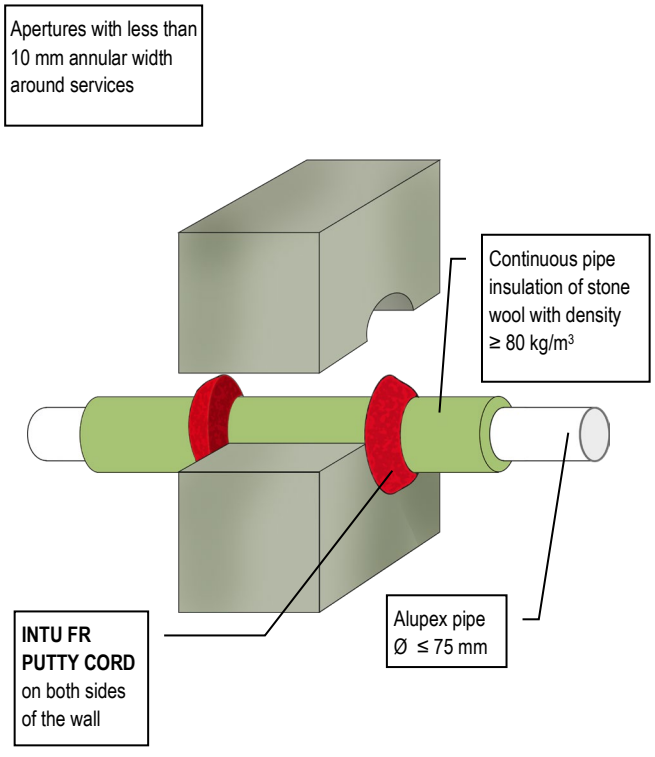


Fig.4 Alupex pipe in a rigid wall with thick ≥ 100mm
INTU FR PUTTY CORD from both side of the wall



ALFASEAL GROUP Sp. z o.o.
Kineskopowa 1
05-500 Piaseczno, Poland
VAT No.: PL1231274821
alfaseal.pl
intuseal.com
+48 22 498 7 498
sprzedaz@alfaseal.pl
sales@intuseal.com

INTU FR PUTTY CORD

Fire rated flexible cord

TDS TECHNICAL DATA SHEET

Fig.5 Cables in a rigid floor thickness ≥ 150 mm
INTU FR PUTTY CORD from both side of the floor

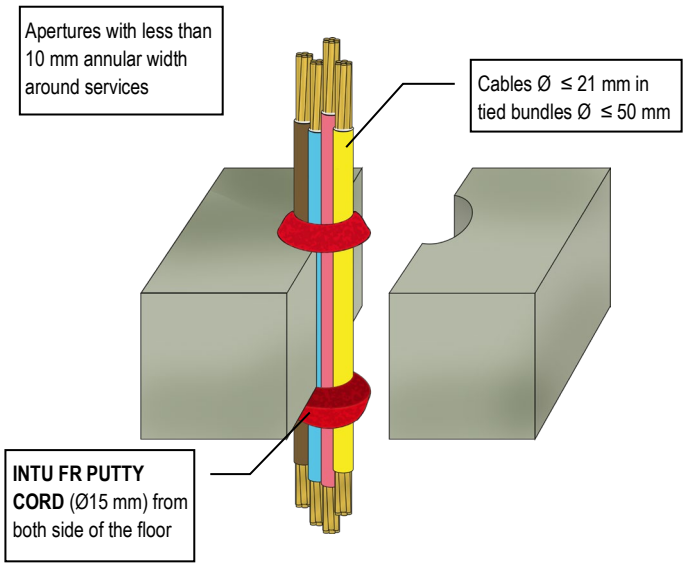


Fig.6 Copper pipe in a rigid floor
INTU FR PUTTY CORD from both side of the floor

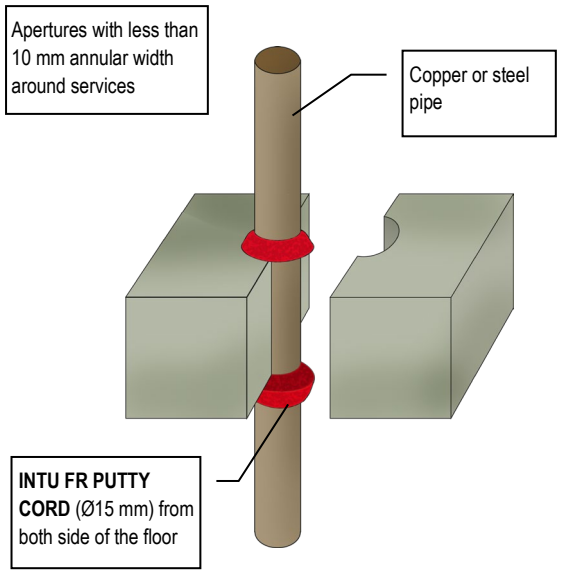


Fig.7 Steel pipe in a rigid floor thickness ≥ 150 mm
INTU FR PUTTY CORD from the top of the floor

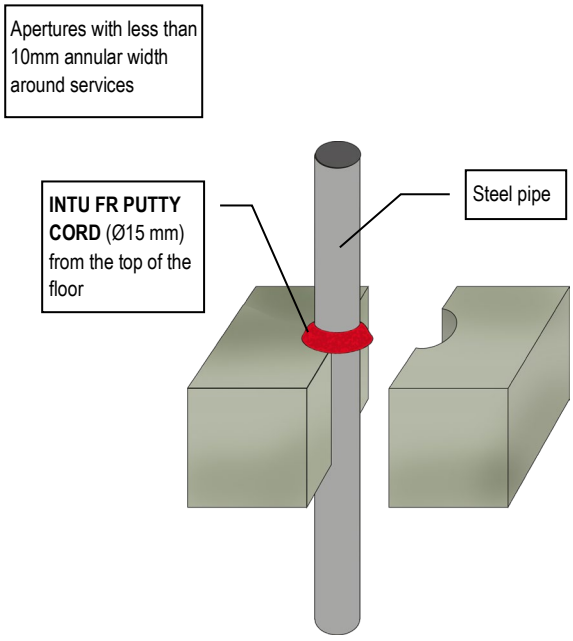
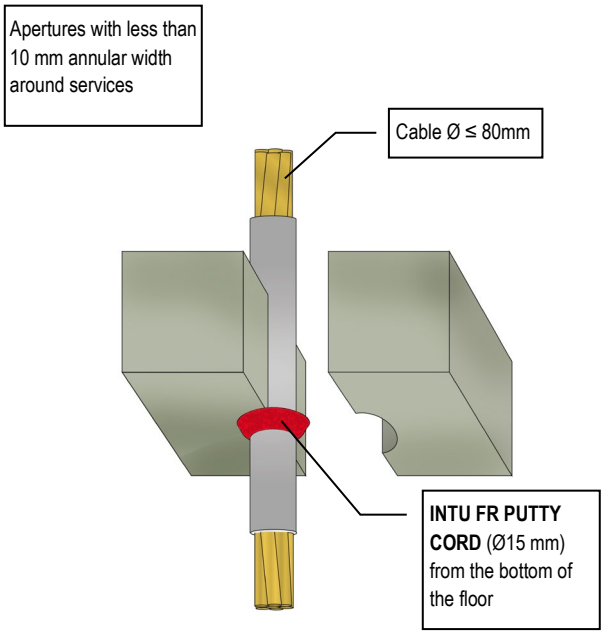


Fig.8 Cables in a rigid floor thickness ≥ 150 mm
INTU FR PUTTY CORD from the bottom of the floor



ALFASEAL GROUP Sp. z o.o.
Kineskopowa 1
05-500 Piaseczno, Poland
VAT No.: PL1231274821
alfaseal.pl
intuseal.com
+48 22 498 7 498
sprzedaz@alfaseal.pl
sales@intuseal.com