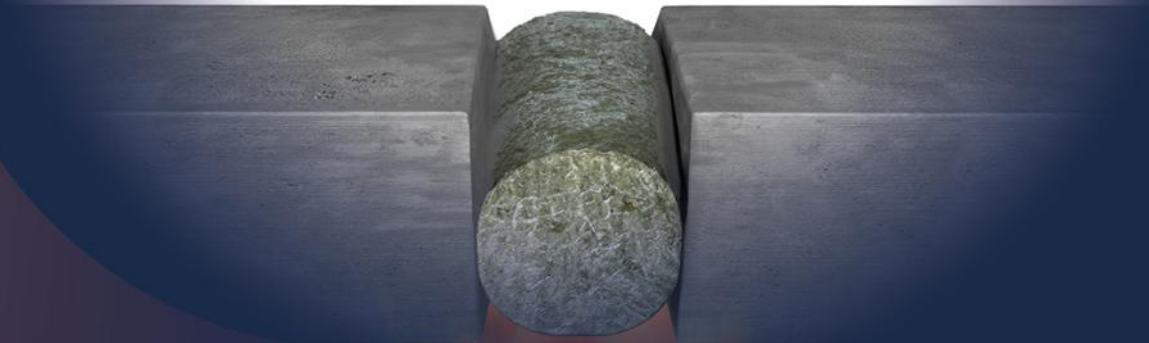


INTU FR ROPE

Fire rated linear joint seals rope

TDS TECHNICAL DATA SHEET



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→ PRODUCT DESCRIPTION

The **INTU FR ROPE** fire rated linear joint seals rope is made of mineral wool. The non-flammable structure of the material creates a tight barrier, ensuring the partition tight and insulating up to EI 240.

→ APPLICATION

The **INTU FR ROPE** is used for linear sealing: horizontal and vertical.

Rigid walls:	The wall made of aerated concrete, concrete, blockwork, masonry separating elements with minimum density: 550 kg/m ³ . The wall thickness must be minimum 200 mm.
Rigid floors:	The floor made of aerated concrete, concrete, blockwork, masonry separating elements with minimum density: 650 kg/m ³ . The floor thickness must be minimum 175 mm.



→ AVAILABILITY

Type	Type	Packaging	Art. number
INTU FR ROPE	12 mm / 30 m	ROLL (30m)	INIR12/30
	20 mm / 30 m	ROLL (30m)	INIR20/30
	30 mm / 30 m	ROLL (30m)	INIR30/30
	40 mm / 30 m	ROLL (30m)	INIR40/30
	50 mm / 25 m	ROLL (25m)	INIR50/25
	60 mm / 25 m	ROLL (25m)	INIR60/25
	70 mm / 20 m	ROLL (20m)	INIR70/20
	80 mm / 20 m	ROLL (20m)	INIR80/20
	90 mm / 18 m	ROLL (18m)	INIR90/18
	100 mm / 10 m	ROLL (10m)	INIR100/10
	120 mm / 2 m	ROLL (2m)	INIR120/2
	150 mm / 2 m	ROLL (2m)	INIR150/2
	170 mm / 2 m	ROLL (2m)	INIR170/2
180 mm / 2 m	ROLL (2m)	INIR180/2	

→ COMPLIANCE

- European Technical Assessment:
ETA – 25/0581 of 1/10/2025
- Declaration of Performance:
DoP 6/2025
- Certificate of Constancy of Performance
1404-CPR-3928-1-EN

→ TECHNICAL DATA

Operating temperature	< 750 °C/ 1382 °F
Melting temperature	> 1000 °C/ 1832 °F
Reaction to fire class	A1
Thermal conductivity	0,035 W/m ² - 0,040 W/m
Heat capacity	840 J/kgK
Sound insulation	Yes
Density	240 kg/m ³
Durability	Y ₁

→ TRANSPORT AND STORAGE

Store in dry and cool conditions at a temperature from + 5°C to + 35°C.

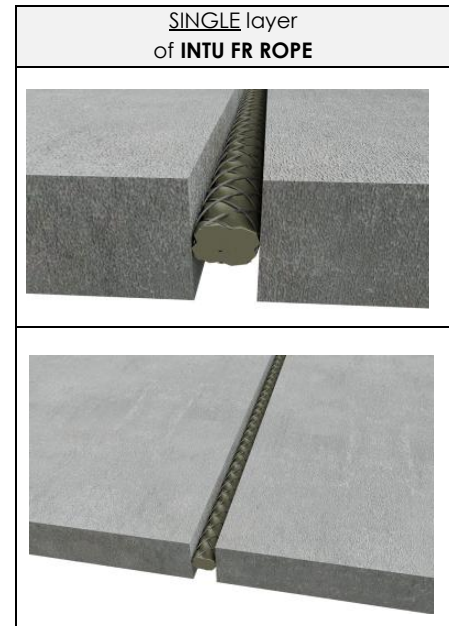
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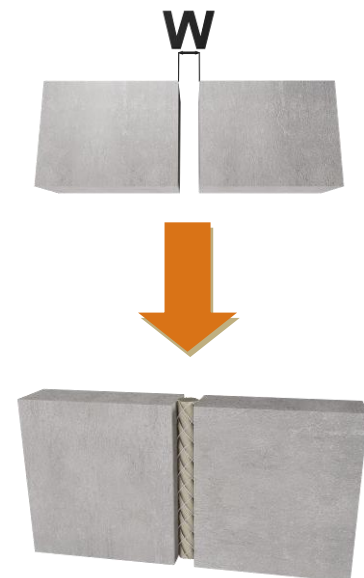
➔ INSTALLATION METHOD

1. Clean the linear gap/hole surface and make sure they are free of dust and other dirt.
2. Select the diameter of **INTU FR ROPE** according to the availability table and the number.
3. Place the **INTU FR ROPE** rope in the construction element, flush with the face or inside the element's cross-section.
4. **INTU FR ROPE** should be laid in one layer. At the end of one rope adding another one, place and press another rope butt to the first one.



➔ FIRE RESITANCE CLASSIFIACION

Type of INTU FR ROPE	Nominal rope diameter [mm]	Expansion movement up to 7,5%	Expansion movement up to 20%	
		Initial joint gap "w" [mm]	Initial joint gap "w" [mm]	Joint width after movement [mm]
INTU FR ROPE ø 12	12	10,0	-	-
INTU FR ROPE ø 20	20	16,7	15,0	18,0
INTU FR ROPE ø 30	30	25,0	22,5	27,0
INTU FR ROPE ø 40	40	33,3	30,0	36,0
INTU FR ROPE ø 50	50	41,7	37,5	45,0
INTU FR ROPE ø 60	60	50,0	45,0	54,0
INTU FR ROPE ø 70	70	58,3	52,5	63,0
INTU FR ROPE ø 80	80	66,7	60,0	72,0
INTU FR ROPE ø 90	90	75,0	67,5	81,0
INTU FR ROPE ø 100	100	83,3	75,0	90,0
INTU FR ROPE ø 120	120	100,0	90,0	108,0
INTU FR ROPE ø 150	150	125,0	112,5	135,0
INTU FR ROPE ø 170	170	141,7	127,5	153,0
INTU FR ROPE ø 180	180	150,0	135,0	162,0



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- Without movement:

Type of application	Width of the gap "w" [mm]	Fire resistance classification
B	10 - 150	E 240 - V - X - F - W 10 to 150
B	10 - 150	EI 120 - V - X - F - W 10 to 150
B	150	EI 240 - V - X - F - W 150
A, C	10 - 150	E 240 - H - X - F - W 10 to 150
A, C	10 - 150	EI 120 - H - X - F - W 10 to 150
A, C	150	EI 240 - H - X - F - W 150

- With movement:

Type of application	Width of the gap "w" [mm]	Fire resistance classification
B	15 - 135	E 240 - V - M20 - F - W 15 to 135*
B	15 - 135	EI 180 - V - M20 - F - W 15 to 135*
B	135	EI 240 - V - M20 - F - W 135*
A, C	15	E 240 - H - M20 - F - W 15*
A, C	15	EI 180 - H - M20 - F - W 15*
A, C	15 - 135	EI 120 - H - M20 - F - W 15 to 135*



Symbol legend:

H	Linear joint seals: horizontal supporting structure
V	Linear joint seals: vertical supporting structure
X	Linear joint seals: expansion joint movement up to 7,5%
M020	Linear joint seals: expansion joint movement up to 20 %
F	Linear joint seal type: made on construction site
W	Linear joint maximum width

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Application (A)	Application (B)	Application (C)
