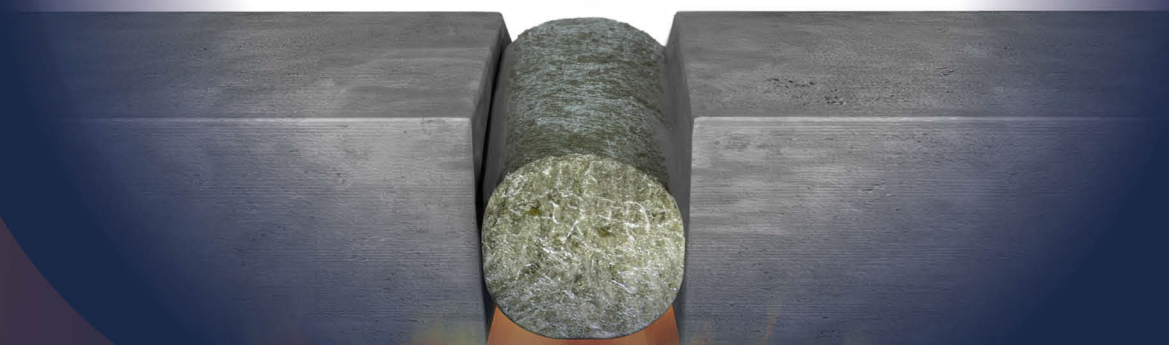


INSU ROPE

Fire rated linear joint seals rope

TECHNICAL DATA SHEET



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PRODUCT DESCRIPTION

The **INSU ROPE** fire-resistant expansion joint is made of mineral wool. The non-flammable structure of the material creates a tight barrier, ensuring that the partition remains airtight and insulated up to EI 240.

APPLICATION

INSU ROPE cord is used for linear seals: horizontal and vertical.



Rigid wall: The wall should be at least 150 mm thick. It should be made of concrete or masonry elements with a density of not less than 700 kg/m³.

Rigid ceiling: The ceiling should be at least 150 mm thick. It should be made of concrete, reinforced concrete or aerated concrete with a density of at least 700 kg/m³.

AVAILABILITY

Product	Diameter [mm]	Delivery form	Item number
INSU ROPE	12	1 pcs.	6001230000
	20	1 pcs.	6002030000
	30	1 pcs.	6003030000
	40	1 pcs.	6004030000
	50	1 pcs.	6005025000
	60	1 pcs.	6006025000
	70	1 pcs.	6007020000
	80	1 pcs.	6008020000
	90	1 pcs.	6009018000
	100	1 pcs.	6010010000
	120	1 pcs.	6012002000
	130	1 pcs.	6013002000
	140	1 pcs.	6014002000
	150	1 pcs.	6015002000
	160	1 pcs.	6016002000
	170	1 pcs.	6017002000
	180	1 pcs.	6018002000

ZGODNOŚĆ

European Technical Assessment:

ETA-17/0061

Declaration of performance:

1404-CPR-3055/2018

Certificate of constancy of performance:

1404-CPR-3055

TRANSPORT AND STORAGE

Transport and store in a dry and cool place at a temperature between +5°C and +35°C.

Packaging: plastic bags, stacked on pallets 1100 x 1100 mm or 1100 x 2100 mm.

Other packaging options are available on request.

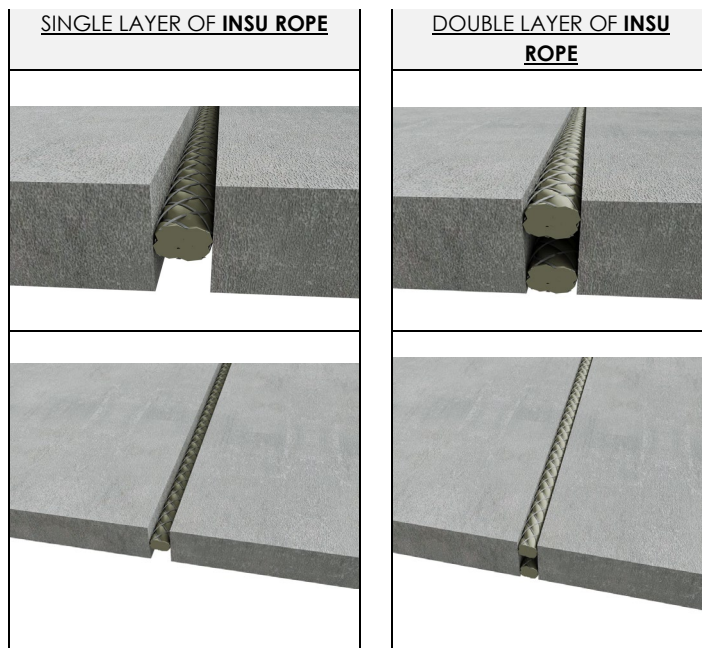
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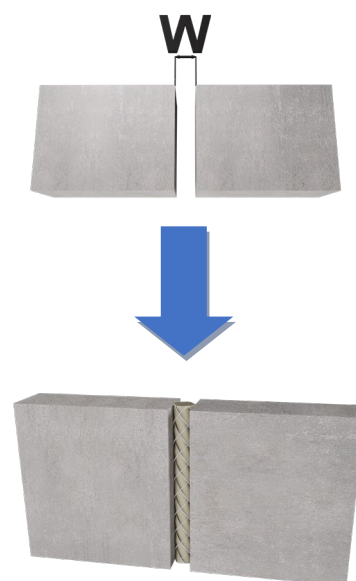
INSTALLATION

1. Clean the surface of the gap/linear opening.
Make sure it is free of dust and debris.
2. Select the appropriate **INSU ROPE** diameter for the expansion joint, according to the table below.
3. Place the **INSU ROPE** cord in the expansion joint flush with the face or inside the cross-section of the element.
INSU ROPE should be laid in one or two layers. When one cord ends and another is added, lay and press the next cord flush against the first one.



TECHNICAL DATA AND FIRE CLASSIFICATION

Cable type	Nominal rope diameter [mm]	Expansion joint up to 7,5%		Expansion movement up to 20%	
		Width of gap 'w' after compression [mm]	Cord compression ratio [%]	Width of gap 'w' after compression [mm]	Cord compression ratio [%]
INSU-ROPE ø 12	12	10,0	16,67	-	-
INSU-ROPE ø 20	20	16,7	16,67	10,0	25,0
INSU-ROPE ø 30	30	25,0	16,67	22,5	25,0
INSU-ROPE ø 40	40	33,3	16,67	30,0	25,0
INSU-ROPE ø 50	50	41,7	16,67	37,5	25,0
INSU-ROPE ø 60	60	50,0	16,67	45,0	25,0
INSU-ROPE ø 70	70	58,3	16,67	52,5	25,0
INSU-ROPE ø 80	80	66,7	16,67	60,0	25,0
INSU-ROPE ø 90	90	75,0	16,67	67,5	25,0
INSU-ROPE ø 100	100	83,3	16,67	75,0	25,0
INSU-ROPE ø 120	120	100,0	16,67	90,0	25,0
INSU-ROPE ø 150	150	125,0	16,67	112,5	25,0
INSU-ROPE ø 170	170	141,7	16,67	127,5	25,0
INSU-ROPE ø 180	180	150,0	16,67	135,0	25,0



INSU ROPE

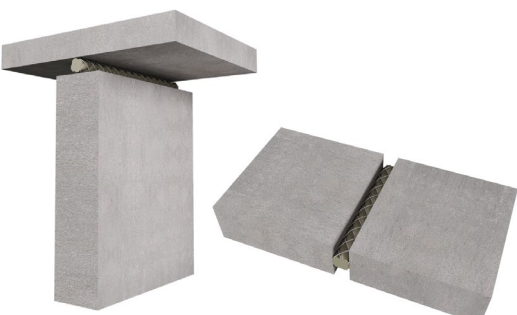


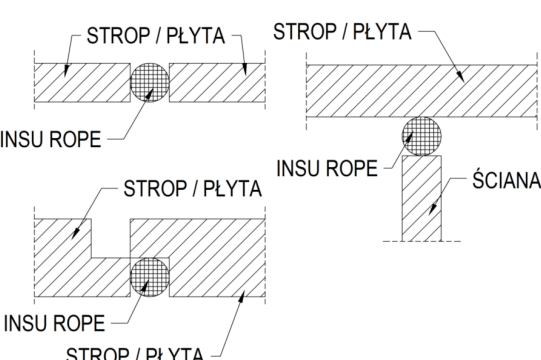
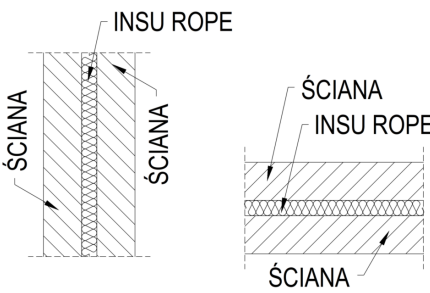
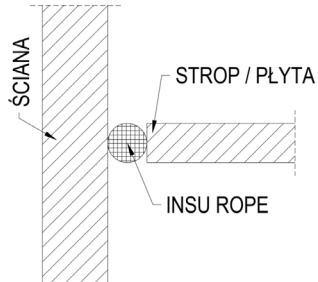
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TECHNICAL DATA SHEET

Application	Gap width 'w' [mm]	Number of INSU ROPE layers	Fire classification
B	10 - 150	1 layer	EI240 -V-X-F-W10-150
B	10 – 100	2 layers	EI 240 -V-M020–F-W10-100
B	110 – 130	1 layer	EI 240 -V-M020–F-W110-130
A, C	10 – 100	2 layers	EI 240 - H-X-F-W10-100
A, C	110 - 150	1 layer	EI 240 - H-X-F-W110-150

Legend of symbols:

H	Linear joint seals: horizontal support structure
V	Linear joint seals: vertical support structure
X	Linear joint seals: expansion capacity up to 7.5%
M020	Linear joint seals: expansion capacity up to 20.0%
F	Line joint seal type: made on site
W	Expansion joint width

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

Ceiling / slab