

DECLARATION OF PERFORMANCE

Nr: DoP 6/2019

1. Unique identification code of product-type:

INTU FR BOARD A

2. Intended uses:

Sealing fire protection of installation culverts of non-flammable pipes, joints and expansion joints.

3. Manufacturer:

**INTUSEAL Sp. z o.o.
ul. Kineskopowa 1, 05-500 Piaseczno**

4. Authorized representative:

Not applicable

5. System or systems of Assessment and Verification of Constancy of Performance (AVCP):

System 1

6a. Harmonised standard:

Not applicable

Notified body or bodies:

Not applicable

6b. European Assessment Document:

EAD 350454-00-1104, EAD 350141-00-1106

European Technical Assessment:

ETA-19/0038 of 29/03/2019, ETA-19/0037 of 28/06/2019

Technical Assessment Body:

ITB, ul. Filtrowa 1, 00-611 Warszawa

Notified body or bodies:

Nr 1488

7. Declared performance:

Table 1.

Intended use: Sealing of installation passages	
Basic requirements	Performance characteristics
BWR 1 Mechanical resistance and stability	
-	Not applicable
BWR 2 Safety in case to fire	
Reaction to fire	Not applicable
Resistance to fire	According to the Annex A – DoP 6/2019
BWR 3 Hygiene, health and the environment	
Air permeability	NPD
Water permeability	NPD
Content, emission, release of dangerous substances	No release of dangerous substances
BWR 4 Safety and accessibility in use	
Mechanical resistance and stability	NPD
Resistance to impact/movement	NPD
Adhesion	NPD
BWR 5 Protection against noise	
Aireborne sound insulation	NPD
BWR 6 Energy economy and heat retention	
Thermal properties	NPD
Water vapour permeability	NPD
Use category	
Use category	Z ₂

8. Appropriate technical documentation or special technical documentation:

Not applicable

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Name: Michał Szykowski

Position: Vice-President of the Management Board

Piaseczno, 15.06.2022

Place, date

INTUSEAL Sp. z o.o.
V-ce Prezes Zarządu

Michał Szykowski

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Signature

Annex A - Classification in terms of fire resistance

Resistance to fire classification of metal pipes penetration seals – in rigid wall

Steel pipes with local, sustained mineral wool insulation, length of 250 mm, width of 30 mm

Pipe material	Pipe diameter, D [mm]	Pipe wall thickness, t [mm]	INTU FR COAT A, length x thickness [mm]		Fire resistance class
			on pipe insulation	on supporting construction	
Steel	$D \leq 42,4$	2,0 – 14,2	50 x 0,6	50 x 0,6	EI 120 – C/U EI 120 – C/C

Steel pipes with local, sustained mineral wool insulation, length of 250 mm, width of 50 mm

Pipe material	Pipe diameter, D [mm]	Pipe wall thickness, t [mm]	INTU FR COAT A, length x thickness [mm]		Fire resistance class
			on pipe insulation	on supporting construction	
Steel	$42,4 < D \leq 48,3$	2,2 – 14,2	50 x 0,6	50 x 0,6	EI 120 – C/U EI 120 – C/C
	$48,3 < D \leq 60,3$	2,6 – 14,2	50 x 0,6	50 x 0,6	EI 120 – C/U EI 120 – C/C
	$60,3 < D \leq 76,1$	3,1 – 14,2	50 x 0,6	50 x 0,6	EI 120 – C/U EI 120 – C/C
	$76,1 < D \leq 88,9$	3,5 – 14,2	50 x 0,6	50 x 0,6	EI 120 – C/U EI 120 – C/C
	$88,9 < D \leq 108,0$	4,0 – 14,2	50 x 0,6	50 x 0,6	EI 120 – C/U EI 120 – C/C

Steel pipes with local, sustained mineral wool insulation, length of 650 mm, width of 50 mm

Pipe material	Pipe diameter, D [mm]	Pipe wall thickness, t [mm]	INTU FR COAT A, length x thickness [mm]		Fire resistance class
			on pipe insulation	on supporting construction	
Steel	$108,0 < D \leq 139,7$	4,0 – 14,2	50 x 0,6	50 x 0,6	EI 120 – C/U EI 120 – C/C
	$139,7 < D \leq 159,0$	4,0 – 14,2	50 x 0,6	50 x 0,6	EI 120 – C/U EI 120 – C/C
	$159,0 < D \leq 219,0$	4,5 – 14,2	50 x 0,6	50 x 0,6	EI 120 – C/U EI 120 – C/C

Copper pipes with local, sustained mineral wool insulation, length of 500 mm, width of 30 mm

Pipe material	Pipe diameter, D [mm]	Pipe wall thickness, t [mm]	INTU FR COAT A, length x thickness [mm]		Fire resistance class
			on pipe insulation	on supporting construction	
Copper	$D \leq 6,0$	$\geq 0,8$	50 x 0,6	50 x 0,6	EI 120 – C/U EI 120 – C/C

Copper pipes with local, sustained mineral wool insulation, length of 700 mm, width of 50 mm

Pipe material	Pipe diameter, D [mm]	Pipe wall thickness, t [mm]	INTU FR COAT A, length x thickness [mm]		Fire resistance class
			on pipe insulation	on supporting construction	
Copper	$6,0 < D \leq 15,0$	$\geq 1,0$	50 x 0,6	50 x 0,6	EI 60 – C/U EI 60 – C/C
	$15,0 < D \leq 18,0$	$\geq 1,0$	50 x 0,6	50 x 0,6	EI 60 – C/U EI 60 – C/C
	$18,0 < D \leq 22,0$	$\geq 1,1$	50 x 0,6	50 x 0,6	EI 60 – C/U EI 60 – C/C
	$22,0 < D \leq 35,0$	1,3 – 14,2	50 x 0,6	50 x 0,6	EI 60 – C/U EI 60 – C/C
	$35,0 < D \leq 42,0$	1,5 – 14,2	50 x 0,6	50 x 0,6	EI 60 – C/U EI 60 – C/C
	$42,0 < D \leq 54,0$	1,7 – 14,2	50 x 0,6	50 x 0,6	EI 60 – C/U EI 60 – C/C
	$54,0 < D \leq 88,9$	2,2 – 14,2	50 x 0,6	50 x 0,6	EI 60 – C/U EI 60 – C/C

Steel pipes with local, interrupted mineral wool insulation, length of 250 mm, width of 30 mm

Pipe material	Pipe diameter, D [mm]	Pipe wall thickness, t [mm]	INTU FR COAT A, length x thickness [mm]		Fire resistance class
			on pipe insulation	on supporting construction	
Steel	$D \leq 42,4$	2,0 – 14,2	50 x 0,6	50 x 0,6	EI 120 – C/U EI 120 – C/C

Steel pipes with local, interrupted mineral wool insulation, length of 250 mm, width of 50 mm

Pipe material	Pipe diameter, D [mm]	Pipe wall thickness, t [mm]	INTU FR COAT A, length x thickness [mm]		Fire resistance class
			on pipe insulation	on supporting construction	
Steel	$42,4 < D \leq 48,3$	2,2 – 14,2	50 x 0,6	50 x 0,6	EI 120 – C/U EI 120 – C/C
	$48,3 < D \leq 60,3$	2,6 – 14,2	50 x 0,6	50 x 0,6	EI 120 – C/U EI 120 – C/C
	$60,3 < D \leq 76,1$	3,1 – 14,2	50 x 0,6	50 x 0,6	EI 120 – C/U EI 120 – C/C
	$76,1 < D \leq 88,9$	3,5 – 14,2	50 x 0,6	50 x 0,6	EI 120 – C/U EI 120 – C/C
	$88,9 < D \leq 108,0$	4,0 – 14,2	50 x 0,6	50 x 0,6	EI 120 – C/U EI 120 – C/C

Steel pipes with local, interrupted mineral wool insulation, length of 650 mm, width of 50 mm

Pipe material	Pipe diameter, D [mm]	Pipe wall thickness, t [mm]	INTU FR COAT A, length x thickness [mm]		Fire resistance class
			on pipe insulation	on supporting construction	
Steel	$108,0 < D \leq 139,7$	4,2 – 14,2	50 x 0,6	50 x 0,6	EI 120 – C/U EI 120 – C/C
	$139,7 < D \leq 159,0$	4,3 – 14,2	50 x 0,6	50 x 0,6	EI 120 – C/U EI 120 – C/C
	$159,0 < D \leq 219,0$	4,5 – 14,2	50 x 0,6	50 x 0,6	EI 120 – C/U EI 120 – C/C

Copper pipes with local, interrupted mineral wool insulation, length of 500 mm, width of 30 mm

Pipe material	Pipe diameter, D [mm]	Pipe wall thickness, t [mm]	INTU FR COAT A, length x thickness [mm]		Fire resistance class
			on pipe insulation	on supporting construction	
Copper	$D \leq 6,0$	$\geq 0,8$	50 x 0,6	50 x 0,6	EI 120 – C/U EI 120 – C/C

Resistance to fire classification of metal pipes penetration seals – in rigid floor

Steel pipes with local, sustained mineral wool insulation, length of 250 mm, width of 30 mm

Pipe material	Pipe diameter, D [mm]	Pipe wall thickness, t [mm]	INTU FR COAT A, length x thickness [mm]		Fire resistance class
			on pipe insulation	on supporting construction	
Steel	$D \leq 42,4$	2,0 – 14,2	50 x 0,6	50 x 0,6	EI 180 – C/U EI 180 – C/C

Steel pipes with local, sustained mineral wool insulation, length of 250 mm, width of 50 mm

Pipe material	Pipe diameter, D [mm]	Pipe wall thickness, t [mm]	INTU FR COAT A, length x thickness [mm]		Fire resistance class
			on pipe insulation	on supporting construction	
Steel	$42,4 < D \leq 48,3$	2,2 – 14,2	50 x 0,6	50 x 0,6	EI 120 – C/U EI 120 – C/C
	$48,3 < D \leq 60,3$	2,6 – 14,2	50 x 0,6	50 x 0,6	EI 120 – C/U EI 120 – C/C
	$60,3 < D \leq 76,1$	3,1 – 14,2	50 x 0,6	50 x 0,6	EI 120 – C/U EI 120 – C/C
	$76,1 < D \leq 88,9$	3,5 – 14,2	50 x 0,6	50 x 0,6	EI 120 – C/U EI 120 – C/C
	$88,9 < D \leq 108,0$	4,0 – 14,2	50 x 0,6	50 x 0,6	EI 120 – C/U EI 120 – C/C

Steel pipes with local, sustained mineral wool insulation, length of 650 mm, width of 50 mm

Pipe material	Pipe diameter, D [mm]	Pipe wall thickness, t [mm]	INTU FR COAT A, length x thickness [mm]		Fire resistance class
			on pipe insulation	on supporting construction	
Steel	$108,0 < D \leq 139,7$	4,0 – 14,2	50 x 0,6	50 x 0,6	EI 120 – C/U EI 120 – C/C
	$139,7 < D \leq 159,0$	4,0 – 14,2	50 x 0,6	50 x 0,6	EI 120 – C/U EI 120 – C/C

Copper pipes with local, sustained mineral wool insulation, length of 500 mm, width of 30 mm

Pipe material	Pipe diameter, D [mm]	Pipe wall thickness, t [mm]	INTU FR COAT A, length x thickness [mm]		Fire resistance class
			on pipe insulation	on supporting construction	
Copper	$D \leq 6,0$	$\geq 0,8$	50 x 0,6	50 x 0,6	EI 240 – C/U EI 240 – C/C
	$6,0 < D \leq 15,0$	$\geq 1,0$	50 x 0,6	50 x 0,6	EI 180 – C/U EI 180 – C/C

Pipe material	Pipe diameter, D [mm]	Pipe wall thickness, t [mm]	INTU FR COAT A, length x thickness [mm]		Fire resistance class
			on pipe insulation	on supporting construction	
Copper	15,0 < D ≤ 18,0	≥ 1,1	50 x 0,6	50 x 0,6	EI 180 – C/U EI 180 – C/C
	18,0 < D ≤ 22,0	≥ 1,1	50 x 0,6	50 x 0,6	EI 180 – C/U EI 180 – C/C
	22,0 < D ≤ 35,0	1,4 – 14,2	50 x 0,6	50 x 0,6	EI 180 – C/U EI 180 – C/C
	35,0 < D ≤ 42,0	1,5 – 14,2	50 x 0,6	50 x 0,6	EI 180 – C/U EI 180 – C/C
	42,0 < D ≤ 54,0	1,7 – 14,2	50 x 0,6	50 x 0,6	EI 180 – C/U EI 180 – C/C

Copper pipes with local, sustained mineral wool insulation, length of 700 mm, width of 50 mm

Pipe material	Pipe diameter, D [mm]	Pipe wall thickness, t [mm]	INTU FR COAT A, length x thickness [mm]		Fire resistance class
			on pipe insulation	on supporting construction	
Copper	54,0 < D ≤ 88,9	2,2 – 14,2	50 x 0,6	50 x 0,6	EI 90 – C/U EI 90 – C/C

Steel pipes with local, interrupted mineral wool insulation, length of 250 mm, width of 30 mm

Pipe material	Pipe diameter, D [mm]	Pipe wall thickness, t [mm]	INTU FR COAT A, length x thickness [mm]		Fire resistance class
			on pipe insulation	on supporting construction	
Steel	D ≤ 42,4	2,0 – 14,2	50 x 0,6	50 x 0,6	EI 240 – C/U *) EI 240 – C/C *) EI 90 – C/U **) EI 90 – C/C **)

*) penetration sealed using two mineral wool boards installed on both sides of the floor

**) penetration sealed using one mineral wool board installed on the bottom of the floor

Steel pipes with local, interrupted mineral wool insulation, length of 250 mm, width of 50 mm

Pipe material	Pipe diameter, D [mm]	Pipe wall thickness, t [mm]	INTU FR COAT A, length x thickness [mm]		Fire resistance class
			on pipe insulation	on supporting construction	
Steel	42,4 < D ≤ 48,3	2,2 – 14,2	50 x 0,6	50 x 0,6	EI 120 – C/U *) EI 120 – C/C *) EI 60 – C/U **) EI 60 – C/C **)
	48,3 < D ≤ 60,3	2,6 – 14,2	50 x 0,6	50 x 0,6	EI 120 – C/U *) EI 120 – C/C *) EI 60 – C/U **) EI 60 – C/C **)
	60,3 < D ≤ 76,1	3,1 – 14,2	50 x 0,6	50 x 0,6	EI 120 – C/U *) EI 120 – C/C *) EI 60 – C/U **) EI 60 – C/C **)

Pipe material	Pipe diameter, D [mm]	Pipe wall thickness, t [mm]	INTU FR COAT A, length x thickness [mm]		Fire resistance class
			on pipe insulation	on supporting construction	
Stal	76,1 < D ≤ 88,9	3,5 – 14,2	50 x 0,6	50 x 0,6	EI 120 – C/U *) EI 120 – C/C *) EI 60 – C/U **) EI 60 – C/C **)
	88,9 < D ≤ 108,0	4,0 – 14,2	50 x 0,6	50 x 0,6	EI 120 – C/U *) EI 120 – C/C *) EI 60 – C/U **) EI 60 – C/C **)

*) penetration sealed using two mineral wool boards installed on both sides of the floor

**) penetration sealed using one mineral wool board installed on the bottom of the floor

Steel pipes with local, interrupted mineral wool insulation, length of 650 mm, width of 50 mm

Pipe material	Pipe diameter, D [mm]	Pipe wall thickness, t [mm]	INTU FR COAT A, length x thickness [mm]		Fire resistance class
			on pipe insulation	on supporting construction	
Stal	108,0 < D ≤ 139,7	4,2 – 14,2	50 x 0,6	50 x 0,6	EI 120 – C/U EI 120 – C/C
	139,7 < D ≤ 159,0	4,3 – 14,2	50 x 0,6	50 x 0,6	EI 120 – C/U EI 120 – C/C
	159,0 < D ≤ 219,0	4,5 – 14,2	50 x 0,6	50 x 0,6	EI 120 – C/U EI 120 – C/C

Copper pipes with local, interrupted mineral wool insulation, length of 500 mm, width of 30 mm

Pipe material	Pipe diameter, D [mm]	Pipe wall thickness, t [mm]	INTU FR COAT A, length x thickness [mm]		Fire resistance class
			on pipe insulation	on supporting construction	
Copper	D ≤ 6,0	≥ 0,8	50 x 0,6	50 x 0,6	EI 240 – C/U EI 240 – C/C
	6,0 < D ≤ 15,0	≥ 1,0	50 x 0,6	50 x 0,6	EI 60 – C/U EI 60 – C/C
	15,0 < D ≤ 18,0	≥ 1,1	50 x 0,6	50 x 0,6	EI 60 – C/U EI 60 – C/C
	18,0 < D ≤ 22,0	≥ 1,1	50 x 0,6	50 x 0,6	EI 60 – C/U EI 60 – C/C
	22,0 < D ≤ 35,0	1,4 – 14,2	50 x 0,6	50 x 0,6	EI 60 – C/U EI 60 – C/C
	35,0 < D ≤ 42,0	1,5 – 14,2	50 x 0,6	50 x 0,6	EI 60 – C/U EI 60 – C/C
	42,0 < D ≤ 54,0	1,7 – 14,2	50 x 0,6	50 x 0,6	EI 60 – C/U EI 60 – C/C

Copper pipes with local, interrupted mineral wool insulation, length of 700 mm, width of 50 mm

Pipe material	Pipe diameter, D [mm]	Pipe wall thickness, t [mm]	INTU FR COAT A, length x thickness [mm]		Fire resistance class
			on pipe insulation	on supporting construction	
Copper	54,0 < D ≤ 88,9	2,2 – 14,2	50 x 0,6	50 x 0,6	EI 90 – C/U EI 90 – C/C

Resistance to fire classification of vertical linear joint seal in rigid wall (Vertical or horizontal linear joint seal (type 1) in rigid wall)

Fire resistance class: EI 120 – V – X – B – W 10 do 100

Resistance to fire classification of horizontal linear joint seal in rigid wall (Vertical or horizontal linear joint seal (type 1) in rigid wall)

Fire resistance class: EI 120 – T – X – B – W 10 do 100

Resistance to fire classification of vertical linear joint seal in rigid wall (Vertical or horizontal linear joint seal (type 2) in rigid wall)

Fire resistance class: EI 120 – V – X – B – W 10 do 100

Resistance to fire classification of horizontal linear joint seal in rigid wall (Vertical or horizontal linear joint seal (type 2) in rigid wall)

Fire resistance class: EI 120 – T – X – B – W 10 do 100

Resistance to fire classification of vertical linear joint seal in rigid wall (Vertical or horizontal linear joint seal (type 3) in rigid wall)

Fire resistance class: EI 240 – V – X – B – W 10 do 100

Resistance to fire classification of horizontal linear joint seal in rigid wall (Vertical or horizontal linear joint seal (type 3) in rigid wall)

Fire resistance class: EI 180 – T – X – B – W 10 do 100

Resistance to fire classification of horizontal linear joint seal in rigid floor or in rigid wall abutting a rigid floor (Horizontal linear joint seal (type 4) in rigid floor or in rigid wall abutting a rigid floor)

Fire resistance class: EI 120 – H – X – B – W 10 do 100

Resistance to fire classification of horizontal linear joint seal in rigid floor or in rigid wall abutting a rigid floor (Horizontal linear joint seal (type 5) in rigid floor or in rigid wall abutting a rigid floor)

Fire resistance class: EI 120 – H – X – B – W 10 do 100

Resistance to fire classification of horizontal linear joint seal in rigid floor or in rigid wall abutting a rigid floor (Horizontal linear joint seal (type 6) in rigid floor or in rigid wall abutting a rigid floor)

Fire resistance class: EI 240 – H – X – B – W 10 do 100

Resistance to fire classification of horizontal linear joint seal in rigid floor or in rigid wall abutting a rigid floor
(Horizontal linear joint seal (type 7) in rigid floor or in rigid wall abutting a rigid floor)

Fire resistance class: EI 120 – H – X – B – W 10 do 100

Resistance to fire classifications of horizontal linear joint seals in rigid floor or in rigid wall abutting a rigid floor
(Horizontal linear joint seal (type 8) in rigid floor or in rigid wall abutting a rigid floor)

Fire resistance class: EI 240 – H – X – B – W 10

Fire resistance class: EI 180 – H – X – B – W 11 do 100