

DECLARATION OF PERFORMANCE

Nr: DoP 7/2019

1. Unique identification code of product-type:

INTU FR COAT I

2. Intended uses:

Reinstante the fire resistance performance of flexible wall, rigid wall or rigid floor constructions, where they are penetrated by metal pipes, single cables or cable bundles.

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

European Technical Assessment:

ETA-19/0038 of 28/06/2019

Technical Assessment Body:

ITB, ul. Filtrowa 1, 00-611 Warszawa

Notified body or bodies:

Nr 1488

7. Declared performance:

8.

Basic requirements	Performance characteristics
BWR 2 Safety in case to fire	
Reaction to fire	NPD
Resistance to fire	Labels

Resistance to fire classification of metal pipes penetration seals. Metal pipe without insulation penetration seal in rigid wall, made with use of ALFA FR COAT A and ALFA FR COAT I.

Steel pipes without insulation

Pipe material	Pipe diameter, D [mm]	Pipe wall thickness, t [mm]	ALFA FR COAT I (on pipe), length x thickness [mm]	Fire resistance class
Steel	$D \leq 42,4$	2,0 – 14,2	500 x 1	EI 180 – C/U EI 180 – C/C
	$42,4 < D \leq 48,3$	2,2 – 14,2	500 x 1	EI 120 – C/U *) EI 120 – C/C *)
	$48,3 < D \leq 60,3$	2,6 – 14,2	500 x 1	EI 120 – C/U *) EI 120 – C/C *)
	$60,3 < D \leq 76,1$	3,1 – 14,2	500 x 1	EI 120 – C/U *) EI 120 – C/C *)
	$76,1 < D \leq 88,9$	3,5 – 14,2	500 x 1	EI 120 – C/U *) EI 120 – C/C *)
	$88,9 < D \leq 108,0$	4,0 – 14,2	500 x 1	EI 120 – C/U *) EI 120 – C/C *)
	$108,0 < D \leq 139,7$	4,0 – 14,2	500 x 2	EI 60 – C/U *) EI 60 – C/C *)
	$139,7 < D \leq 159,0$	4,0 – 14,2	500 x 2	EI 60 – C/U *) EI 60 – C/C *)

*) pipe painted inside the wall

Resistance to fire classification of metal pipes penetration seals. Metal pipe without insulation penetration seal in rigid wall, made with use of ALFA FR COAT I.

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Pipe material	Pipe diameter, D [mm]	Pipe wall thickness, t [mm]	ALFA FR COAT I (on pipe), length x thickness [mm]	Fire resistance class
Steel	$D \leq 42,4$	2,0 – 14,2	500 x 1	EI 240 – C/U EI 240 – C/C
	$42,4 < D \leq 48,3$	2,2 – 14,2	500 x 1	EI 240 – C/U EI 240 – C/C
	$48,3 < D \leq 60,3$	2,6 – 14,2	500 x 1	EI 240 – C/U EI 240 – C/C
	$60,3 < D \leq 76,1$	3,1 – 14,2	500 x 1	EI 240 – C/U EI 240 – C/C
	$76,1 < D \leq 88,9$	3,5 – 14,2	500 x 1	EI 240 – C/U EI 240 – C/C
	$88,9 < D \leq 108,0$	4,0 – 14,2	500 x 1	EI 240 – C/U EI 240 – C/C
	$108,0 < D \leq 139,7$	4,0 – 14,2	500 x 2	EI 60 – C/U EI 60 – C/C
	$139,7 < D \leq 159,0$	4,0 – 14,2	500 x 2	EI 60 – C/U EI 60 – C/C
	$159,0 < D \leq 219,0$	4,5 – 14,2	500 x 2	EI 60 – C/U EI 60 – C/C

Resistance to fire classification of metal pipes penetration seals. Metal pipe without insulation penetration seal in rigid wall, made with use of ALFA FR COAT A and ALFA FR COAT I.

Copper pipes without insulation

Pipe material	Pipe diameter, D [mm]	Pipe wall thickness, t [mm]	ALFA FR COAT I (on pipe), length x thickness [mm]	Fire resistance class
Copper	$D \leq 6,0$	$\geq 0,8$	500 x 1	EI 120 – C/U EI 120 – C/C
	$6,0 < D \leq 15,0$	$\geq 1,0$	500 x 1	EI 90 – C/U EI 90 – C/C
	$15,0 < D \leq 18,0$	$\geq 1,1$	500 x 1	EI 90 – C/U EI 90 – C/C
	$18,0 < D \leq 22,0$	$\geq 1,1$	500 x 1	EI 90 – C/U EI 90 – C/C
	$22,0 < D \leq 35,0$	1,4 – 14,2	500 x 1	EI 90 – C/U EI 90 – C/C
	$35,0 < D \leq 42,0$	1,5 – 14,2	500 x 1	EI 90 – C/U EI 90 – C/C
	$42,0 < D \leq 54,0$	1,7 – 14,2	500 x 1	EI 90 – C/U EI 90 – C/C

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Copper	$D \leq 6,0$	$\geq 0,8$	500 x 1	EI 120 – C/U EI 120 – C/C
	$6,0 < D \leq 15,0$	$\geq 1,0$	500 x 1	EI 120 – C/U EI 120 – C/C
	$15,0 < D \leq 18,0$	$\geq 1,1$	500 x 1	EI 120 – C/U EI 120 – C/C
	$18,0 < D \leq 22,0$	$\geq 1,1$	500 x 1	EI 120 – C/U EI 120 – C/C
	$22,0 < D \leq 35,0$	1,4 – 14,2	500 x 1	EI 120 – C/U EI 120 – C/C
	$35,0 < D \leq 42,0$	1,5 – 14,2	500 x 1	EI 120 – C/U EI 120 – C/C
	$42,0 < D \leq 54,0$	1,7 – 14,2	500 x 1	EI 120 – C/U EI 120 – C/C

Resistance to fire classification of cables and / or cable bundles in mixed penetration seals. Cables penetration seal in rigid wall, made with use of ALFA FR COAT I and ALFA FR BOARD A (mixed penetration seal)

Small cables ($\varnothing \leq 21$ mm)

Fire resistance class: EI 120

Medium cables ($\varnothing \leq 50$ mm)

Fire resistance class: EI 120

Large cables ($\varnothing \leq 80$ mm)

Fire resistance class: EI 120

Bundle of cables ($\varnothing$ of bundle ≤ 100 mm, made of cables $\varnothing \leq 21$ mm)

Fire resistance class: EI 120

Non-sheathed cables (wires, $\varnothing \leq 24$ mm)

Fire resistance class: EI 120

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Steel	D ≤ 42,4	2,0 – 14,2	500 x 1	EI 240 – C/U EI 240 – C/C
	42,4 < D ≤ 48,3	2,2 – 14,2	500 x 1	EI 120 – C/U *) EI 120 – C/C *)
	48,3 < D ≤ 60,3	2,6 – 14,2	500 x 1	EI 120 – C/U *) EI 120 – C/C *)
	60,3 < D ≤ 76,1	3,1 – 14,2	500 x 1	EI 120 – C/U *) EI 120 – C/C *)
	76,1 < D ≤ 88,9	3,5 – 14,2	500 x 1	EI 120 – C/U *) EI 120 – C/C *)
	88,9 < D ≤ 108,0	4,0 – 14,2	500 x 1	EI 120 – C/U *) EI 120 – C/C *)
	108,0 < D ≤ 139,7	4,0 – 14,2	500 x 2	EI 180 – C/U *) EI 180 – C/C *)
	139,7 < D ≤ 159,0	4,0 – 14,2	500 x 2	EI 180 – C/U *) EI 180 – C/C *)
	159,0 < D ≤ 219,0	4,5 – 14,2	500 x 2	EI 90 – C/U *) EI 90 – C/C *)

*) pipe painted inside the floor

Resistance to fire classification of metal pipes penetration seals. Metal pipe without insulation penetration seal in rigid floor, made with use of ALFA FR COAT I.

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	42,4 < D ≤ 48,3	2,2 – 14,2	500 x 1	EI 180 – C/U EI 180 – C/C
	48,3 < D ≤ 60,3	2,6 – 14,2	500 x 1	EI 180 – C/U EI 180 – C/C
	60,3 < D ≤ 76,1	3,1 – 14,2	500 x 1	EI 180 – C/U EI 180 – C/C
	76,1 < D ≤ 88,9	3,5 – 14,2	500 x 1	EI 180 – C/U EI 180 – C/C
	88,9 < D ≤ 108,0	4,0 – 14,2	500 x 1	EI 180 – C/U EI 180 – C/C
	108,0 < D ≤ 139,7	4,0 – 14,2	500 x 2	EI 120 – C/U EI 120 – C/C
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	$6,0 < D \leq 15,0$	$\geq 1,0$	500 x 1	EI 240 – C/U EI 240 – C/C
	$15,0 < D \leq 18,0$	$\geq 1,1$	500 x 1	EI 240 – C/U EI 240 – C/C
	$18,0 < D \leq 22,0$	$\geq 1,1$	500 x 1	EI 240 – C/U EI 240 – C/C
	$22,0 < D \leq 35,0$	1,4 – 14,2	500 x 1	EI 240 – C/U EI 240 – C/C
	$35,0 < D \leq 42,0$	1,5 – 14,2	500 x 1	EI 240 – C/U EI 240 – C/C
	$42,0 < D \leq 54,0$	1,7 – 14,2	500 x 1	EI 240 – C/U EI 240 – C/C
	$54,0 < D \leq 88,9$	2,2 – 14,2	500 x 1	EI 180 – C/U EI 180 – C/C

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	$15,0 < D \leq 18,0$	$\geq 1,1$	500 x 1	EI 180 – C/U EI 180 – C/C
	$18,0 < D \leq 22,0$	$\geq 1,1$	500 x 1	EI 180 – C/U EI 180 – C/C
	$22,0 < D \leq 35,0$	1,4 – 14,2	500 x 1	EI 180 – C/U EI 180 – C/C
	$35,0 < D \leq 42,0$	1,5 – 14,2	500 x 1	EI 180 – C/U EI 180 – C/C
	$42,0 < D \leq 54,0$	1,7 – 14,2	500 x 1	EI 180 – C/U EI 180 – C/C
	$54,0 < D \leq 88,9$	2,2 – 14,2	500 x 1	EI 120 – C/U EI 120 – C/C

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	$60,3 < D \leq 76,1$	3,1 – 14,2	500 x 1	EI 120 – C/U *) EI 120 – C/C *)
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	$88,9 < D \leq 108,0$	4,0 – 14,2	500 x 1	EI 60 – C/U EI 60 – C/C

BWR 3 Hygiene, health and the environment	
Air permeability	NPD
Water permeability	NPD
Content, emission, release of dangerous substances	NPD
BWR 4 Safety and accessibility in use	
Mechanical resistance and stability	NPD
Resistance to impact/movement	NPD
Adhesion	NPD
Durability	Z ₂
BWR 5 Protection against noise	
Aireborne sound insulation	NPD
BWR 6 Energy economy and heat retention	
Thermal properties	NPD
Water vapour permeability	NPD

9. 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, 15.03.2023

Place, date

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

Michał Szykowski

Signature