

**DECLARATION OF PERFORMANCE**

**Nr: DoP 7/2019**

1. Unique identification code of product-type:

**INTU FR COAT I**

2. Intended uses:

**Sealing fire protection of installation culverts of non-flammable pipes, cables and cable routes**

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 29/03/2019**

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
<b>BWR 1 Mechanical resistance and stability</b>	
-	Not applicable
<b>BWR 2 Safety in case to fire</b>	
Reaction to fire	Not applicable
Resistance to fire	According to the Annex A – DoP 7/2019
<b>BWR 3 Hygiene, health and the environment</b>	
Air permeability	NPD
Water permeability	NPD
Content, emission, release of dangerous substances	No release of dangerous substances
<b>BWR 4 Safety and accessibility in use</b>	
Mechanical resistance and stability	NPD
Resistance to impact/movement	NPD
Adhesion	NPD
<b>BWR 5 Protection against noise</b>	
Aireborne sound insulation	NPD
<b>BWR 6 Energy economy and heat retention</b>	
Thermal properties	NPD
Water vapour permeability	NPD
<b>Use category</b>	
Use category	Z <sub>2</sub>

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

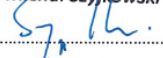
Position: Vice-President of the Management Board

Piaseczno, 15.06.2022

Place, date

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

Michał Szykowski

  
Signature

## Annex A - Classification in terms of fire resistance

**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.**

### 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 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 ≤ 6,0	≥ 0,8	500 x 1	EI 120 – C/U EI 120 – C/C
	6,0 < D ≤ 15,0	≥ 1,0	500 x 1	EI 90 – C/U EI 90 – C/C
	15,0 < D ≤ 18,0	≥ 1,1	500 x 1	EI 90 – C/U EI 90 – C/C
	18,0 < D ≤ 22,0	≥ 1,1	500 x 1	EI 90 – C/U EI 90 – C/C
	22,0 < D ≤ 35,0	1,4 – 14,2	500 x 1	EI 90 – C/U EI 90 – C/C
	35,0 < D ≤ 42,0	1,5 – 14,2	500 x 1	EI 90 – C/U EI 90 – C/C
	42,0 < D ≤ 54,0	1,7 – 14,2	500 x 1	EI 90 – C/U EI 90 – 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 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 ≤ 6,0	≥ 0,8	500 x 1	EI 120 – C/U EI 120 – C/C
	6,0 < D ≤ 15,0	≥ 1,0	500 x 1	EI 120 – C/U EI 120 – C/C
	15,0 < D ≤ 18,0	≥ 1,1	500 x 1	EI 120 – C/U EI 120 – C/C
	18,0 < D ≤ 22,0	≥ 1,1	500 x 1	EI 120 – C/U EI 120 – C/C
	22,0 < D ≤ 35,0	1,4 – 14,2	500 x 1	EI 120 – C/U EI 120 – C/C
	35,0 < D ≤ 42,0	1,5 – 14,2	500 x 1	EI 120 – C/U EI 120 – C/C
	42,0 < D ≤ 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 (ø ≤ 21 mm)**

Fire resistance class: EI 120
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**Medium cables ( $\phi \leq 50$  mm)**

Fire resistance class: EI 120

**Large cables ( $\phi \leq 80$  mm)**

Fire resistance class: EI 120

**Bundle of cables ( $\phi$  of bundle  $\leq 100$  mm, made of cables  $\phi \leq 21$  mm)**

Fire resistance class: EI 120

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

Fire resistance class: EI 120

**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 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 240 – C/U EI 240 – 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 180 – C/U *) EI 180 – C/C *)
	$139,7 < D \leq 159,0$	4,0 – 14,2	500 x 2	EI 180 – C/U *) EI 180 – C/C *)
	$159,0 < D \leq 219,0$	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.**

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

**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 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 240 – C/U EI 240 – C/C
	$6,0 < D \leq 15,0$	$\geq 1,0$	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

**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.**

**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 240 – C/U EI 240 – C/C
	$6,0 < D \leq 15,0$	$\geq 1,0$	500 x 1	EI 180 – C/U EI 180 – C/C
	$15,0 < D \leq 18,0$	$\geq 1,1$	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

**Resistance to fire classification of metal pipes penetration seals. Metal pipe without insulation penetration seal in flexible 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 120 – C/U EI 120 – 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 *)

\*) pipe painted inside the wall

**Resistance to fire classification of metal pipes penetration seals. Metal pipe without insulation penetration seal in flexible wall, made with use of 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 90 – C/U EI 90 – C/C
	$42,4 < D \leq 48,3$	2,2 – 14,2	500 x 1	EI 60 – C/U EI 60 – C/C
	$48,3 < D \leq 60,3$	2,6 – 14,2	500 x 1	EI 60 – C/U EI 60 – C/C
	$60,3 < D \leq 76,1$	3,1 – 14,2	500 x 1	EI 60 – C/U EI 60 – C/C
	$76,1 < D \leq 88,9$	3,5 – 14,2	500 x 1	EI 60 – C/U EI 60 – C/C
	$88,9 < D \leq 108,0$	4,0 – 14,2	500 x 1	EI 60 – C/U EI 60 – C/C