

**DECLARATION OF PERFORMANCE**

**Nr: DoP 8/2019**

1. Unique identification code of product-type:  
**INTU FR MASTIC**
2. Intended uses:  
**Sealing of installation penetrations**
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 8/2019
<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 Szyjkowski

Position: Vice-President of the Management Board

Piaseczno, 15.06.2022

Place, date

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

*Michał Szyjkowski*

Signature

## Annex A - Classification in terms of fire resistance

### Resistance to fire classification of metal pipes penetration seals.

Steel pipe with local, interrupted mineral wool insulation penetration seal in rigid wall, made with use of INTU FR MASTIC.

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 MASTIC depth x width [mm]	Mineral wool (backing material), depth x width [mm]	Fire resistance class
Steel	$D \leq 42,4$	2,0 – 14,2	15 x 10	15 x 10	EI 240 – C/U EI 240 – 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 MASTIC depth x width [mm]	Mineral wool (backing material), depth x width [mm]	Fire resistance class
Steel	$42,4 < D \leq 48,3$	2,2 – 14,2	15 x 10	15 x 10	EI 180 – C/U EI 180 – C/C
	$48,3 < D \leq 60,3$	2,6 – 14,2	15 x 10	15 x 10	EI 180 – C/U EI 180 – C/C
	$60,3 < D \leq 76,1$	3,1 – 14,2	15 x 10	15 x 10	EI 180 – C/U EI 180 – C/C
	$76,1 < D \leq 88,9$	3,5 – 14,2	15 x 10	15 x 10	EI 180 – C/U EI 180 – C/C
	$88,9 < D \leq 108,0$	4,0 – 14,2	15 x 10	15 x 10	EI 180 – C/U EI 180 – 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 MASTIC depth x width [mm]	Mineral wool (backing material), depth x width [mm]	Fire resistance class
Steel	$108,0 < D \leq 139,7$	4,0 – 14,2	20 x 25	15 x 25	EI 120 – C/U EI 120 – C/C
	$139,7 < D \leq 159,0$	4,0 – 14,2	20 x 25	15 x 25	EI 120 – C/U EI 120 – C/C
	$159,0 < D \leq 219,0$	4,5 – 14,2	20 x 25	15 x 25	EI 90 – C/U EI 90 – C/C

Copper pipe with local, interrupted mineral wool insulation penetration seal in rigid wall, made with use of INTU FR MASTIC.

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 MASTIC depth x width [mm]	Mineral wool (backing material), depth x width [mm]	Fire resistance class
Copper	$D \leq 6,0$	$\geq 0,8$	20 x 25	all empty space	EI 240 – C/U EI 240 – C/C
	$6,0 < D \leq 15,0$	$\geq 1,0$	20 x 25	all empty space	EI 180 – C/U EI 180 – C/C
	$15,0 < D \leq 18,0$	$\geq 1,1$	20 x 25	all empty space	EI 180 – C/U EI 180 – C/C
	$18,0 < D \leq 22,0$	$\geq 1,1$	20 x 25	all empty space	EI 180 – C/U EI 180 – C/C
	$22,0 < D \leq 35,0$	1,4 – 14,2	20 x 25	all empty space	EI 180 – C/U EI 180 – C/C
	$35,0 < D \leq 42,0$	1,5 – 14,2	20 x 25	all empty space	EI 180 – C/U EI 180 – C/C
	$42,0 < D \leq 54,0$	1,7 – 14,2	20 x 25	all empty space	EI 180 – C/U EI 180 – 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 MASTIC depth x width [mm]	Mineral wool (backing material), depth x width [mm]	Fire resistance class
Copper	$54,0 < D \leq 88,9$	2,2 – 14,2	20 x 25	all empty space	EI 120 – C/U EI 120 – C/C

**Resistance to fire classification of single cable or cable bundles penetration seals.**

Cables penetration seal in rigid wall, made with use of INTU FR MASTIC  
Small cables ( $\phi \leq 21$  mm)

Fire resistance class: EI 240
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Bundle of cables ( $\phi$  of bundle  $\leq 100$  mm, made of cables  $\phi \leq 21$  mm)

Fire resistance class: EI 90
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**Resistance to fire classification of metal pipes penetration seals.**

Steel pipe with local, interrupted mineral wool insulation penetration seal in rigid floor, made with use of INTU FR MASTIC.

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 MASTIC depth x width [mm]	Mineral wool (backing material), depth x width [mm]	Fire resistance class
Steel	$D \leq 42,4$	2,0 – 14,2	15 x 10	15 x 10	EI 240 – C/U EI 240 – 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 MASTIC depth x width [mm]	Mineral wool (backing material), depth x width [mm]	Fire resistance class
Steel	$42,4 < D \leq 48,3$	2,2 – 14,2	15 x 10	15 x 10	EI 120 – C/U EI 120 – C/C
	$48,3 < D \leq 60,3$	2,6 – 14,2	15 x 10	15 x 10	EI 120 – C/U EI 120 – C/C
	$60,3 < D \leq 76,1$	3,1 – 14,2	15 x 10	15 x 10	EI 120 – C/U EI 120 – C/C
	$76,1 < D \leq 88,9$	3,5 – 14,2	15 x 10	15 x 10	EI 120 – C/U EI 120 – C/C
	$88,9 < D \leq 108,0$	4,0 – 14,2	15 x 10	15 x 10	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 MASTIC depth x width [mm]	Mineral wool (backing material), depth x width [mm]	Fire resistance class
Steel	$108,0 < D \leq 139,7$	4,0 – 14,2	20 x 25	15 x 25	EI 120 – C/U EI 120 – C/C
	$139,7 < D \leq 159,0$	4,0 – 14,2	20 x 25	15 x 25	EI 120 – C/U EI 120 – C/C

Copper pipe with local, interrupted mineral wool insulation penetration seal in rigid floor, made with use of INTU FR MASTIC

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 MASTIC depth x width [mm]	Mineral wool (backing material), depth x width [mm]	Fire resistance class
Copper	$D \leq 6,0$	$\geq 0,8$	20 x 25	all empty space	EI 180 – C/U EI 180 – C/C
	$6,0 < D \leq 15,0$	$\geq 1,0$	20 x 25	all empty space	EI 90 – C/U EI 90 – C/C
	$15,0 < D \leq 18,0$	$\geq 1,1$	20 x 25	all empty space	EI 90 – C/U EI 90 – C/C
	$18,0 < D \leq 22,0$	$\geq 1,1$	20 x 25	all empty space	EI 90 – C/U EI 90 – C/C
	$22,0 < D \leq 35,0$	1,4 – 14,2	20 x 25	all empty space	EI 90 – C/U EI 90 – C/C
	$35,0 < D \leq 42,0$	1,5 – 14,2	20 x 25	all empty space	EI 90 – C/U EI 90 – C/C
	$42,0 < D \leq 54,0$	1,7 – 14,2	20 x 25	all empty space	EI 90 – C/U EI 90 – C/C

Resistance to fire classification of single cable or cable bundles penetration seals.

Cables penetration seal in rigid floor, made with use of INTU FR MASTIC

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

Fire resistance class: EI 120
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Bundle of cables ( $\varnothing$  of bundle  $\leq 100$  mm, made of cables  $\varnothing \leq 21$  mm)

Fire resistance class: EI 120
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