

DECLARATION OF PERFORMANCE

Nr: DoP 8/2019

1. Unique identification code of product-type:

INTU FR MASTIC

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 29/03/2019

Technical Assessment Body:

ITB, ul. Filtrowa 1, 00-611 Warszawa

Notified body or bodies:

Nr 1488

7. Declared performance:

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

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 ≤ 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 (ø ≤ 21 mm)**

Fire resistance class: EI 240

Bundle of cables (ø of bundle ≤ 100 mm, made of cables ø ≤ 21 mm)

Fire resistance class: EI 90

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 ≤ 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 ≤ 48,3	2,2 – 14,2	15 x 10	15 x 10	EI 120 – C/U EI 120 – C/C
	48,3 < D ≤ 60,3	2,6 – 14,2	15 x 10	15 x 10	EI 120 – C/U EI 120 – C/C
	60,3 < D ≤ 76,1	3,1 – 14,2	15 x 10	15 x 10	EI 120 – C/U EI 120 – C/C
	76,1 < D ≤ 88,9	3,5 – 14,2	15 x 10	15 x 10	EI 120 – C/U EI 120 – C/C
	88,9 < D ≤ 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 ≤ 139,7	4,0 – 14,2	20 x 25	15 x 25	EI 120 – C/U EI 120 – C/C
	139,7 < D ≤ 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

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

Fire resistance class: EI 120

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

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, 15.03.2023

Place, date

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

Michał Szykowski
Signature