STEEL INDUSTRY P. S. A

THE DECLARATION OF PERFORMANCE
NR 01/2024

Company: STEEL INDUSTRY P. S. A

Aleje Jerozolimskie 85/21
02-001 Warsaw, Poland

Product name:

Metal Ceiling Tiles

1. **Measured use:**

   Application & Installation Access: Provides quick access to the space above the ceiling (heating, ventilation, air conditioning, electrical and plumbing systems.). **Metal Ceiling Tiles** from STEEL INDUSTRY P.S.A. Suitable for any project: offices, public utility buildings, residential buildings, swimming pools, warehouses, and other roofed or covered structures.
   Perforation is available on request (hole diameters: Ø 2, 3.5, 5, 8, 20 mm; shapes: round or square). Colors: RAL or wood-like. Metal tiles 60×60, 120×60, 30×30, 30×120 cm are compatible with standard T-bar suspended ceiling systems. Production of ceilings in Clip-In systems and other non-standard solutions is also possible.
   The product is durable, its coating is non-combustible, the manufacturer provides a 10-year warranty, and the ceiling material has been laboratory tested.

2. **Manufacturer:**

   STEEL INDUSTRY P. S. A
   str. Aleje Jerozolimskie 85/21, 02-001 Warsaw, Poland

3. **Authorized representative:**

   Not applicable

4. **System for assessment and verification of constancy of performance**

   Rating system: 4

5. **Harmonized standard:**

   PN-EN 13964:2014-05

6. **Unit:**

   EUROPEAN NOTIFICATION CENTER LTD.

7. Declared performance properties:

Basic properties	Levels and/or classes	Harmonized Technical Specification
Fire reaction	Class A1	PN-EN 13501-2:2016-07
Fire hazard class	Non-flammable and non-drip material	PN-EN 13501-2:2016-07
Formaldehyde release	NA	-
Humidity zone	Dry/Wet	PN-EN 13964:2014-05
Degree of resistance to aggressive environments	Class C3	PN-EN ISO 12944-5:2020-03
Break resistance	NA	-
Sound absorption	NA	-
Thermal conductivity	NA	-
Load capacity dimensions and tolerances	according to table 1 i 2	PN-EN 13964-2:2014-05

Table 1 Load capacity of the grid for L max = 1200 mm for deflection class 1

Bending stiffness	$EI = 0,79 \times 10^8$ [Nmm²]
Allowable bending moment	dop M = 0,84 [Nm]
Average force causing maximum deflection	$F_{śr} = 5,52$ [N]
Average breaking force	F = 14,11 [N]

Table 2 Load capacity of metal suspensions

Weight limit	dop F = 147 [N]
Average breaking force	Fu = 428 [N]

SIGNATURE

Warsaw, 05.08.2024

Place and date of issue

Bohdan Kujawa

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Name, surname and signature of the authorized person