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DECLARATION OF PERFORMANCE

No.: 41/P/2023

1. Unique identification code of the product type:

Steel and aluminium constructional components and sets –SOLID pergola

2. Intended use or uses:

For external use, intended for buildings

3. Manufacturer

SELT Sp. z o. o.
45-449 Opole, ul. Wschodnia 23A

4. The system or systems of assessment and verification of constancy of performance:

System 2+

5. Harmonised standard:

Harmonised standard EN 1090-1:2009+A1:2011

Notified body: TÜV AUSTRIA Services GMBH Sp. z o.o. Notified body No: 0408

6. Declared performance:

Property	Level or classes	Harmonised technical specification
Performance class	EXC2 Steel: EN 1090-2:2008+A1:2011, Aluminium: EN 1999-1-1:2007+A1:2009	EN 1090-1:2009+A1:2011
Tolerance of dimensions and shape	Steel: functional tolerances - class 2 according to EN1090-2:2008+A1:2011 Manufacturing-special tolerance: class m K according to EN 22768-1:1993 and EN 22768-2:1993	EN 1090-1:2009+A1:2011
	Aluminium: functional tolerances according to EN1090-3:2008 Manufacturing-special tolerance: class m K according to EN 22768-1:1993 and EN 22768-2:1993	
Weldability	NPD – no applicable process	-
Fracture toughness Impact resistance	Steel: 27J (+20°C)	EN 10025-1:2004
	Aluminium: NPD – not required for aluminium products	-
Bearing capacity	PN-EN1999-1-1, see attached design assumptions and static calculations OT/BRI/016. Used National Annex for Poland	EN 1090-1:2009+A1:2011
Deformation in the serviceability limit state	PN-EN1993-1-1 i PN-EN1999-1-1, see attached conceptual design and static calculations OT/BRI/016. Used National Annex for Poland	
Fatigue strength	NPD	
Fire resistance	NPD - calculations OT/BRI/017	
Reaction to fire	Classified material. Class A1	
Secretion of cadmium and its compounds	NPD	
Radioactivity	NPD	
Durability	Category of environment's corrosivity C2 according to PN-EN ISO 12944-2, Steel : surface preparation: P1 according to EN ISO 8501-3; galvanized zinc coating according to PN-EN ISO 2081:2014 8 micrometers thick + powder coating with thickness of coating according to PN-EN ISO 2360 - 60 to 100 micrometers	
	Aluminium : Surface preparation PN-EN 1090-3; powder coating with thickness of the coating according to PN-EN ISO 2360 - 60 to 100 micrometers	
Excecution	According to specification no. 600.000.000 and EN 1090-3 and EN 1090-2	EN 1090-1:2009+A1:2011

The performance of the product identified above are consistent with a set of declared performance. This declaration of performance is issued in accordance with Regulation (UE) no. 305/2011 on the sole responsibility of the producer referred to above:

Signed on behalf of the manufacturer:
Piotr Malorny, designer-constructor
in Opole, 29.09.2023

selt sun protection systems

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SELT Sp. z o. o.
45-449 Opole, ul. Wschodnia 23A

Year of marking
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TÜV AUSTRIA Services GMBH Sp. z o.o. Notified body No: 0408

EN 1090-1+A1:2011

Description of the product: **Steel and aluminium constructional components and sets –SOLID pergola**
Tolerance of dimensions and shape: **Steel: class 2 – EN1090-2:2008+A1:2011**
and for manufacturing: special: class m acc. EN 22768-1:1993 and class K acc. EN 22768-2:1993;
Aluminium: EN 1090-3:2008 and for manufacturing: special: class m acc. EN 22768-1:1993 and class K acc. EN 22768-2:1993;
Weldability: **NPD – no applicable process**
Fracture toughness: **Steel: 27J (+20^{0}C) – EN10025:2004; Aluminium: not required for aluminium products**
Reaction to fire: **Classified material. Class A1**
Secretion of cadmium: **NPD**
Radioactivity: **NPD**
Durability: **Category of environment's corrosively C2 according to PN-EN ISO 12944-2,**
Steel: surface preparation: P1 acc. EN ISO 8501-3; galvanized zinc coating according to PN-EN ISO 2081:2014 8 micrometers thick + powder coating with thickness of coating according to PN-EN ISO 2360 - 60 to 100 micrometers
Aluminium : Surface preparation PN-EN 1090-3; powder coating with thickness of coating according to PN-EN ISO 2360 - 60 to 100 micrometers

Construction characteristics:
Bearing capacity: PN-EN1999-1-1, see attached design assumptions and static calculations OT/BRI/016.
Used National Annex for Poland
Deformation:PN-EN1993-1-1 and PN-EN1999-1-1, see attached design assumptions and static calculations OT/BRI/016.
Used National Annex for Poland
Fatigue strength: NPD
Fire resistance: NPD - calculations OT/BRI/017
Execution: in accordance with the specification of element no. 615.000.000 and EN 1090-2 and EN 1090-3, performance class: EXC2