



DECLARATION OF PERFORMANCE

No: 200/P/2020



1. Unique identification code of the product type:

Steel and aluminium constructional components and sets – 8-modular pergola SB500

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: Dekra Certification Sp. z o.o. Notified body No: 2330

6. Declared performance:

Property	Level or classes	Harmonised technical specification
Performance class	EXC2 Steel: EN 1090-2:2018 Aluminium: EN 1999-1-1:2007+A1:2013	EN 1090-1:2009+A1:2011
Tolerance of dimensions and shape	Steel: functional tolerances - class 2 according to EN 1090-2:2018 Manufacturing-special tolerance: class m K according to EN 22768-1:1993 and EN 22768-2:1993 Aluminium: functional tolerances according to EN 1090-3:2019 Manufacturing-special tolerance: class m K according to EN 22768-1:1993 and EN 22768-2:1993	EN 1090-1:2009+A1:2011
Weldability	NPD – no applicable process	-
Fracture toughness	Steel: 27J (+20°C)	EN 10025-1:2004
Impact resistance	Aluminium: NPD – not required for aluminium products	-
Bearing capacity	PN-EN1999-1-1, see attached design assumptions and static calculations OWT/08/2019 (max. dimensions 18105x13220x1500mm). Used National Annex for Poland	EN 1090-1:2009+A1:2011
Deformation in the serviceability limit state	PN-EN1993-1-1 and PN-EN1999-1-1, see attached conceptual design and static calculations OWT/08/2019 (max. dimensions 18105x13220x1500mm). Used National Annex for Poland	
Fatigue strength	NPD	
Fire resistance	NPD - calculations OT/BRI/031	
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 1461:2011 85 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	
Execution	According to specification no. 622.000.000 and EN 1090-2 and EN 1090-3	

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
Opole, 27.01.2020



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2330

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45-449 Opole, ul. Wschodnia 23A

Year of marking
2020

Dekra Certification Sp. z o.o. Notified body No:2330

EN 1090-1+A1:2011

Description of the product: **Steel and aluminium constructional components and sets – 8-modular pergola SB500**

Tolerance of dimensions and shape: **Steel: class 2 – EN1090-2:2018**

and for manufacturing: special: class m acc. EN 22768-1:1993 and class K acc. EN 22768-2:1993;

Aluminium: EN 1090-3:2019 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°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 8501-3:2008; galvanized zinc coating according to PN-EN ISO

1461:2011 85 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 OWT/01/2019 (max. dimensions 18105x13220x1500 mm).

Used National Annex for Poland

Deformation: PN-EN1993-1-1 and PN-EN1999-1-1, see attached design assumptions and static calculations OWT/08/2019 (max. dimensions 18105x13220x1500 mm).

Used National Annex for Poland

Fatigue strength: NPD

Fire resistance: NPD - calculations OT/BRI/031

Execution: in accordance with the specification of element no. 622.000.000 and EN 1090-2 and EN 1090-3, performance class: EXC2