



DECLARATION OF PERFORMANCE

No: 45/P/2022



1. Unique identification code of the product type:

Steel and aluminium components and construction sets – pergola SB350

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

The notified body: Dekra Certification Sp. z o.o. no: 2330

6. Declared performance:

Property	Level or classes	Harmonised technical specification
Performance class	EXC2 Steel according to EN 1090-2:2018, Aluminium acc. EN 1999-1-1:2007+A2:2013	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 acc. EN 22768-1:1993 and EN 22768-2:1993 Aluminium: functional tolerances – EN 1090-3:2019 Manufacturing special tolerance: class m K acc. EN 22768-1:1993 and EN 22768-2:1993	EN 1090-1:2009+A1:2011
Weldability	NPD – no applicable process	-
Fracture toughness	Steel: NPD – austenitic steel – met to -40°C acc. to EN1993-1-4:2006+A1:2015	-
Impact resistance	Aluminium: NPD – not required for aluminium products	-
Bearing capacity	PN-EN1999-1-1, see attached conceptual design and static calculations OWT/01/2022 (max. dimensions 4750x3500x2665 mm). Used NDP 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/01/2022 (max. dimensions 4750x3500x2665 mm). Used NDP for Poland	
Fatigue strength	NPD	
Fire resistance	NPD - calculations OWT/021/2022	
Reaction to fire	Material classification. 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 Aluminium: surface preparation PN-EN 1090-3; powder coating with thickness of the coating according to PN-EN ISO 2360 - 60 to 100 micrometers	EN 1090-1:2009+A1:2011
Execution	According to specification no 635.000.000 and EN 1090-2 and EN 1090-3	

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

Signed on behalf of the manufacturer by:

Piotr Malorny, building constructor-designer
Opole, 02.11.2022

selt+
sun
protection
systems

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2330

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

Year of marking
22

Dekra Certification Sp. z o.o. nr: 2330

EN 1090-1+A1:2011

Description of the product: **Steel and aluminium components and construction sets – pergola SB350**
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: NPD – austenitic steel – met to -40°C acc. EN1993-1-4:2006+A1:2015;**
Aluminium: NPD – not required for aluminium products
Reaction to fire: **Classified material. Class A1**
Secretion of cadmium: **NPD**
Radioactivity: **NPD**
Durability: **Category of environment's corrosivity C2 according to PN-EN ISO 12944-2**
Aluminium: surface preparation PN-EN 1090-3; powder according 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/01/2022 (max. dimensions 4750x3500x2665 mm).

Used NDP for Poland

Deformation: PN-EN1993-1-1 i PN-EN1999-1-1 see attached design assumptions and static calculations OWT/01/2022 (max. dimensions 4750x3500x2665 mm).

Used NDP for Poland

Fatigue strength: NPD

Fire resistance: NPD - calculations OWT/02/2022

Execution: in accordance with specification of element no 635.000.000 and EN 1090-2 and EN 1090-3, performance class: EXC2