

Declaration of Performance

0769

System components composed of aluminium, steel and stainless steel for ground-mounted and roof-top photovoltaic module substructures.

The system components can either be used directly, or be installed in partially existing systems. The components are manufactured from hot-rolled or cold-formed construction materials made of aluminium, steel and stainless steel. The profile cross-sections of the construction material can take various forms. Steel components are hot-dip galvanized. Aluminium and stainless steel are mill-finished.

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Connecting Strength

System 2+

Based on the production control certificate for aluminium and steel Cert.No.: 0769-CPR-VAP-00359-3 the manufacturer/distributor confirms the following performance features relating to component specifications:

Performance Features	Declared Performance	Harmonised Standard Technical Specification
Standard geometric tolerances	EN 1090-2 EN 1090-3	EN 1090-1:2009 + A1:2011
Weldability	EN AW-6063 T66 in accordance with EN 1999-1-1 and S235/ S275/ S355 in accordance with EN 10025-2	EN 1090-1:2009 + A1:2011
Fracture toughness	Steel: Inspection certificate 3.1 in accordance with EN 10204 in compliance with EN 1993-10 Not required for aluminium	EN 1090-1:2009 + A1:2011
Fire behaviour	Class A1	EN 1090-1:2009 + A1:2011
Durability	EN AW-6063 T66 in accordance with EN 1999-1-1 Steel: specification provided by coater and galvanizer	EN 1090-1:2009 + A1:2011
Release of cadmium	NPD	EN 1090-1:2009 + A1:2011
Release of radioactive radiation	NPD	EN 1090-1:2009 + A1:2011
Load capacity	NPD	EN 1090-1:2009 + A1:2011
Deformation at serviceability	NPD	EN 1090-1:2009 + A1:2011
Fire resistance	NPD	EN 1090-1:2009 + A1:2011

The system components of the mounting substructure correspond to the declared performance specified in the above table and pursuant to the delivery note. This declaration of performance is issued under the sole responsibility of the manufacturer/distributor.

Signed on behalf of K2 Systems GmbH, Katharina David (Managing Director):

Renningen, 17.01.2023