



# Confirmation of Test Result

## Corrosion testing of photovoltaic mounting structure Assessment of effective earth continuity

<b>Ref.:</b>	Testreport-279586-TL7-2 and Testreport-28384-TL7-1	
<b>Applicant:</b>	ESDEC B.V. Londenstraat 16, 7418 EE Deventer, The Netherlands	
<b>Manufacturer:</b>	ESDEC B.V. Londenstraat 16, 7418 EE Deventer, The Netherlands	
<b>Product:</b>	PV mounting system ESDEC FlatFix Wave series	
<b>Standard:</b>	DIN EN 60068-2-52:2018-08 DIN EN ISO 6988:1997-03  DIN EN 61439-1:2019-04	Environmental testing- Salt mist Sulfur dioxide test with general condensation of moisture ( <i>Kesternich test</i> ) Low voltage and control gear assemblies 10.5.2: Effective earth continuity between the exposed conductive parts of the class 1 assembly and the protective circuit
<b>Type:</b>	ESDEC FlatFix Wave series	
<b>Test conditions</b>	<b>DIN EN ISO 6988:1997-03</b>	
	Testing Time	24 h
	Chamber temperature:	40±3 °C
	Test medium	0,2 dm <sup>3</sup> SO <sub>2</sub>
<b>Test conditions</b>	<b>DIN EN 60068-2-52:2018-08</b>	
	Severity level:	4
	Testing time:	168 h
	Chamber temperature:	40±2 °C
	Relative Humidity:	93±3 %
	Test medium:	5% NaCl
	Mist pH level:	6,82
<b>Test conditions</b>	<b>DIN EN 61439-1:2019-04</b>	
	Current	40 A
	Time	2 min.
<b>Pass criteria:</b>	Earth continuity:	< 0.1 Ω



**Summary of test results:**

**Visual Inspection:** no obvious faults or deficiencies have been found

**Earth continuity test:** required max. 0,1  $\Omega$   
measured max. 0,035  $\Omega$

The complete test results and the relevant bill of materials are given in Test Report No.: Testreport-279586-TL7-2 (FlatFix Wave) and Testreport-28384-TL7-1 (FlatFix Wave C1), makes together ESDEC FlatFix Wave series.

VDE Renewables GmbH

  
**Boris Farnung**

  
**Jonas Brückner**

63755 Alzenau, 2021-07-07

