

Certification

Solar Mounting Systems

VAN DER VALK



SOLAR SYSTEMS

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This certification confirms that all solar mounting systems of Van der Valk Solar Systems have been designed, calculated and manufactured according to Eurocodes and NEN 7250 regulations and its derivatives (listed below). Van der Valk Solar Systems meets the applicable CE requirements regarding 2001/95/EG product safety and the applicable sections of BRL9931, components for solar systems. Van der Valk Solar Systems pitched roof clamp systems are MCS012 approved (MCS KIWA 00037).

Applied systems

Pitched roof, Flat roof, Ground Mounts

Applied Codes

EN 1990 Basis of Structural design

National Annexes:

BS EN 1990:2002+A1:2005

DIN EN 1990/NA/A1

IS-EN 1990:2002+A1:2005

NBN EN 1990 ANB

NEN-EN 1990+A1+A1/C2/NB

NS-EN 1990:2002/NA:2008+A1:2010

PN-EN 1990:2004/NA

SFS-EN 1990/A1/AC

SS-EN 1990/A1:2005/AC:2010

EN 1991-1-3 Actions on Structures / Snow load

National Annexes:

BS-EN 1991-1-3:2003

DIN EN 1991-1-3/NA

IS-EN 1991-1-3:2003

NBN EN 1991-1-3 ANB

NEN-EN 1991-1-3:2003

NS-EN 1991-1-3:2003/NA:2008

PN-EN 1991-1-3:2005/NA

SFS-EN 1991-1-3/AC

SS-EN 1991-1-3/A1:2015

EN 1991-1-4 Actions on Structures / Wind load

National Annexes:

BS EN 1991-1-4:2005+A1:2010

DIN EN 1991-1-4/NA

IS-EN 1991-1-4:2005/NA:2013

NBN EN 1991-1-4 ANB

NEN-EN 1991-1-4:2005

NS-EN 1991-1-4:2005/NA:2009

PN-EN 1991-1-4:2008/NA

SFS-EN 1991-1-4+AC+A1

SS-EN 1991-1-4:2005/AC:2010

EN 1090-2:2008+A1:2011 Execution of steel structures – applies to PN-EN 1990:2004/NA

EN 1993-1-1 Design of steel structures / Rules for buildings

EN 1993-1-3 Design of steel structures / Rules for cold formed members

EN 1997 Geotechnical design

EN 1998-1 Design of structures / Seismic actions

EN 1999-1-1 Design of aluminium structures

NEN 7250 Solar systems - Integration in roofs and facades

2001/95/EG Product safety

BRL9931 Components of solar systems



Wind tunnel testing

Van der Valk Solar Systems have elaborated the results of wind tunnel studies in the product design and calculation tools for both flat and pitched roofs. The application and interpretation of the results have been checked thoroughly and match the assumption and findings as laid down in reports W15328-1ERA-002 (dated December 5th, 2016), W15328-2ERA-007 (dated September 9th, 2018) and W15328-3E-RA-003 (dated June 13th, 2018) for flat roofs and WA 15328-!E-RA-002 (dated December 22nd, 2016) for pitched roofs.

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