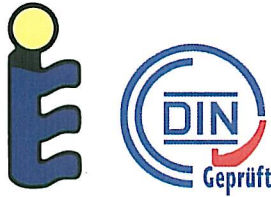


CERTIFICATE

Certificate holder	Vaillant GmbH Berghauser Str. 40 42859 Remscheid
Production facility	Gelsenkirchen Nantes
Product	Solar collectors
Type, Model	VFK 145/2 V, VFK 145/2 H
Testing basis	DIN EN 12975-1:2011-01 DIN EN 12975-2:2006-06 Specific CEN KEYMARK Scheme Rules for Solar Thermal Products version 19.00 (2012-10)
Mark of conformity	
Registration No.	011-7S406 F
Valid until	2018-05-31
Right of use	This certificate entitles the holder to use the mark of conformity shown above in conjunction with the specified registration number. See annex for further information.

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Certificate	011-7S406 F dated 2013-06-20
Technical Data	See data sheet, part of the test report of 2013-05-29 Note(s): - The freeze resistance test according to DIN EN 12975-2, clause 5.8 was not necessary. According to the manufacturer's declaration, the certified solar collectors may be used in frost exposed areas only in combination with appropriate frost protection mixtures. - The optional impact resistance test according to DIN EN 12975-2, clause 5.10 was not carried out.
Testing laboratory/ Inspection body	TÜV Rheinland Energie und Umwelt GmbH Test Centre for Energy Appliances Am Grauen Stein 51105 Köln
Test report(s)	No. 21221150_EN_P_145-2V, No. 21221150_EN_R_145-2V, No. 21221150_EN_P_145-2H, No. 21221150_EN_R_145-2H dated 2013-05-29