


CERTIFICATE

Certificate holder	ZRAK Solar Doeel Brakja Beshiroski 9 7500 Prilep NORTH MACEDONIA
Production facility	033
Product	Solar collectors
Type, Model	SUN PANEL S.001, SUN PANEL S.002
Testing basis	DIN EN 12975-1:2011-01 DIN EN ISO 9806:2018-04 Solar KEYMARK Scheme Rules (2022-06)
Mark of conformity	
Registration No.	011-7S2012 F
Valid until	2026-11-30
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	011-7S2012 F dated 2023-10-17
Technical Data	See data sheet, part of the test report of 2023-09-28 Note(s): - The freeze resistance test according to DIN EN ISO 9806, clause 14 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 or with appropriate frost protection controller.
Testing laboratory/ Inspection body	Universität Stuttgart Institut für Gebäudeenergetik, Thermotechnik und Energie- speicherung Pfaffenwaldring 6-6 a 70569 Stuttgart GERMANY
Test report(s)	21COL1631Q0EM22, 21COL16320EM22 dated 2023-09-28

