

Solar Keymark Scheme rules- Annex P3

Correction file for ISO 9806:2017 to be taken into account when testing collectors for Solar Keymark certification

Date: 2018-03-21.	Standard: ISO-9806:2017	SKN_N0444_Annex P3 Correction file (EN 12975)_R01
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MB/ NC ¹	Line number (e.g. 17)	Clause/ Subclause (e.g. 3.1)	Paragraph/ Figure/ Table/ (e.g. Table 1)	Type of comment ²	Comments	Proposed change	Observations of the secretariat
SKN		5.1	Table 1	GE/TE	The index ^f contains wrong content which shall not considered. ^f Half-exposure is required before the test. In case the heat transfer medium is in direct contact with polymeric materials, this test shall be performed at standard stagnation temperature.	The index ^f contains wrong content which shall not considered. ^f Half-exposure is required before the test. In case the heat transfer medium is in direct contact with polymeric materials, this test shall be performed at standard stagnation temperature.	
		24.1.2		GE/TE	The text below from Clause 24.1.2 is valid for all test methods and therefore shall be considered as part Clause 24.1.1 General. If the value for (ϵ/α) is known from other measurements, it can be used for the modelling of the extracted power. A corresponding reference shall be given in the test report. Formula (12) allows linking the current parameters to the performance parameters defined in previous versions of this standard.	Move text to Clause 24.1.1 General. This was the intention of the WG1.	
		24.1.3		GE/TE	The text below from Clause 24.1.3 is valid for all test methods and therefore shall be considered as part of Clause 24.1.1 General. Furthermore the following corrections shall be applied: - For collectors with concentration ration $C_R < 20$, the use of $\eta_{0,b}$, $K_{\theta}(\theta_L, \theta_L)$ $K_{\theta}(\theta_L, \theta_T)$, K_d , and the coefficients a_1 , a_2 , and a_5 are mandatory and they shall be identified. The parameter a_8 maybe set to 0. - For covered non-WISC collectors tested with artificial wind source at a speed between 2 m/s and 4 m/s, the coefficients a_3 , a_4 , a_6 and a_7 are set to 0. - For WISC collectors or collectors with a concentration ratio $C_R < 20$, the parameter a_8	The text below from Clause 24.1.3 is valid for all test methods and therefore shall be considered as part of Clause 24.1.1 General. Furthermore the following corrections shall be applied: - For collectors with concentration ration $C_R < 20$, the use of $\eta_{0,b}$, $K_{\theta}(\theta_L, \theta_L)$ $K_{\theta}(\theta_L, \theta_T)$, K_d , and the coefficients a_1 , a_2 , and a_5 are mandatory and they shall be identified. The parameter a_8 maybe set to 0. - For covered non-WISC collectors tested with artificial wind source at a speed between 2 m/s and 4 m/s, the coefficients a_3 , a_4 , a_6 and a_7 are set to 0. - For WISC collectors or collectors with a concentration ratio $C_R < 20$, the parameter a_8 may	

¹ **MB** = Member body / **NC** = National Committee (enter the ISO 3166 two-letter country code, e.g. CN for China; comments from the ISO/CS editing unit are identified by **)

² **Type of comment:** **ge** = general **te** = technical **ed** = editorial

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