



# **Annex P3 Correction file (EN 12975 / ISO 9806)**

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The corrections listed in this document shall be considered for Solar Keymark certification of collectors (EN 12975).  
The corrections shall also be considered as input of the SKN for the next revision of the standards.

Standard	Clause	Paragraph Fig. / Tab.	Type of comment	Comment	Correction and proposed change to the standard
EN 12975			Te	New addition for handling the risk of freezing fluids	<p>To handle the risk of freezing fluids, one of the following options shall be chosen when testing and certifying collectors:</p> <ol style="list-style-type: none"> <li>1. There is a clear declaration that water-glycol (or any other non-freezing fluid) must be used.</li> <li>2. A warning is displayed at least in the user manual that the collector is at risk of freezing when using water in regions where night temperatures may fall below 10°C.</li> <li>3. Tested with any other self-protection device according to 5.2.2.3 to protect from freezing. Mandatory description of the self-protecting system in the user manual.</li> <li>4. Make a freeze test ISO 9806:2017 Clause 14.2.1.1 and mandatory declaration in the manual that the collector must be installed in a drain down system when using water to avoid freezing problems.</li> <li>5. Make a freeze test ISO 9806:2017 Clause 14.2.1.2. Only in this case a declaration that the collector is freeze resistant is permitted.</li> </ol>