

## ANNEX 4

### ***List of standards for solar thermal systems and components (as of March 2006)***

*European Standards*

*International Standards*

## European Standards

### *Published standards*

<b>EN 12975-1:2000</b>	Thermal solar systems and components - Solar collectors <b>Part 1:</b> General requirements
<b>EN 12975-2:2001</b>	Thermal solar systems and components - Solar collectors <b>Part 2:</b> Test methods
<b>EN 12975-2:2001/AC:2002</b>	Thermal solar systems and components - Solar collectors <b>Part 2:</b> Test methods
<b>EN 12976-1:2006</b>	Thermal solar systems and components - Factory made systems <b>Part 1:</b> General requirements
<b>EN 12976-2:2006</b>	Thermal solar systems and components - Factory made systems <b>Part 2:</b> Test methods
<b>EN ISO 9488:1999</b>	Solar energy - Vocabulary (ISO 9488:1999)
<b>ENV 12977-1:2001</b>	Thermal solar systems and components - Custom built systems <b>Part 1:</b> General requirements
<b>ENV 12977-2:2001</b>	Thermal solar systems and components - Custom built systems <b>Part 2:</b> Test methods
<b>ENV 12977-3:2001</b>	Thermal solar systems and components - Custom built systems <b>Part 3:</b> Performance characterization of stores for solar heating systems

### *Standards under development*

<b>EN 12975-1:2006</b>	Thermal solar systems and components - Solar collectors <b>Part 1:</b> General Requirements
<b>EN 12975-2:2006</b>	Thermal solar systems and components - Solar collectors <b>Part 2:</b> Test methods
<b>prCEN/TS 12977-1</b>	Thermal solar systems and components - Custom built systems <b>Part 1:</b> General requirements for solar water heaters and combisystems
<b>prCEN/TS 12977-2</b>	Thermal solar systems and components - Custom built systems - Test methods for solar water heaters and combisystems
<b>prEN 12977-3</b>	Thermal solar systems and components - Custom built systems

<b>prCEN/TS 12977-4</b>	<b>Part 3:</b> Performance test methods for solar water heater stores
	Thermal solar systems and components - Custom built systems
<b>prCEN/TS 12977-5</b>	<b>Part 4:</b> Performance test methods for solar combistores
	Thermal solar systems and components - Custom built systems
	<b>Part 5:</b> Performance test methods for control equipment

## International Standards

<b>ISO 9806-1 (1994)</b>	Test methods for solar collectors. <b>Part 1:</b> Thermal performance of glazed liquid heating collectors including pressure drop.
<b>ISO 9806-2 (1995)</b>	Test methods for solar collectors. <b>Part 2:</b> Qualification test procedures.
<b>ISO 9806-3 (1995)</b>	Test methods for solar collectors. <b>Part 3:</b> Thermal performance of unglazed liquid heating collectors (sensible heat transfer only) including pressure drop.
<b>ISO 9459/1 (1993)</b>	Solar heating domestic water heating systems. <b>Part 1:</b> Performance rating procedure using indoor test methods.
<b>ISO 9459/2 (1995)</b>	Solar heating domestic water heating systems. <b>Part 2:</b> Outdoor test methods for system performance characterization and yearly performance prediction of solar only system.
<b>ISO/TR 10217:1989</b>	Solar energy – Water heating systems. Guide to material selection with regard to internal corrosion.
<b>EN ISO 9488:1999</b>	Solar energy - Vocabulary (ISO 9488:1999)