



## IMPORTANT SAFETY NOTICE

### Solar Water Heating and Hot Water Temperature

Please read carefully and sign if satisfied

- Solar panels are a very efficient way to heat water, using free solar energy. However, during periods of high solar energy and/or low hot water usage, there may be a risk to homeowners of accidental scalding as a result of very high water temperatures (>45°C)
- There are two options to mitigate this risk:  
**Option 1:** SEAI generally recommends that a Thermostatic Mixing Valve (TMV2) be fitted, which will allow the system to continue to operate at maximum efficiency.  
**Option 2:** Alternatively, the storage cylinder temperature can be thermostatically limited to a safer 60° C, which will generally be less efficient.
- SEAI requires that contractors discuss this matter fully with the homeowner and that the homeowner is properly advised on the option, which will best meet their household needs, as part of the specification process ahead of installation commencement.
- SEAI requires that this safety notice is used in all instances where a 'TMV2' temperature mixing/blending valve has NOT BEEN INSTALLED on a solar water heating system. In these circumstances the cylinder temperature limiting thermostat must be used.
- This form must be signed by both you and the solar water heating installer. This form should be retained with any documents relating to your solar water heating installation for possible SEAI inspection, future maintenance and any future users of the solar hot water system.

*I have discussed the safety options with the householder and have agreed to use the cylinder temperature limiting option.*

**Installer Name:** \_\_\_\_\_

**Installer No.:** \_\_\_\_\_

**Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_

*The Installer named above has discussed the options available to me for safely managing the hot water temperature in my solar hot water system and I have agreed not to have a thermostatic mixing valve fitted.*

**Homeowner Name:** \_\_\_\_\_

**Application ID:** \_\_\_\_\_

**Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_