

MICROGENERATION

Solar Thermal

What is it?

Solar thermal is a method of generating hot water and heating from the power of the sun. Solar thermal panels are usually installed on roofs or walls.

How does it work?

Solar thermal systems capture solar energy and convert it into heat. The heat is transferred to the water in a hot water tank, which is then used to provide your property with both heating and hot water.

Benefits

- > Reduce your heating bills
- > Protect yourself against rising energy costs
- > Reduce your CO₂ emissions

What are the potential savings?

According to the Energy Saving Trust, the potential annual savings, in a typical 3 bedroom semi-detached house could be up to:

> **£80**

What are the typical costs?

If you were to have this measure installed without Green Deal, this would typically cost you upfront:

> **£3,500 - £5,500**





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How can I benefit from Green Deal?

By taking advantage of the Green Deal, you can receive finance to have these energy-saving improvements installed in your home at no full upfront cost. The savings you make will always be greater than the cost of repayments on the measures installed.

Where and how is it installed?

Solar thermal panels are usually fitted onto the roof of your home and in some circumstances can be fitted onto the walls instead. They are then connected to the existing hot water system.

Will it be suitable for my home?

Solar thermal panels are most efficient on south facing roofs, where they receive the most direct sunlight, although east to west facing roofs are also suitable. Roofs which are north facing or shaded from buildings or trees are not generally recommended. In some circumstances the existing cylinder will need to be replaced with a dedicated solar cylinder. Properties with combi boilers, which do not have a hot water tank, may not be compatible with a solar thermal system.

It is advised that a structural roof survey is undertaken to ensure the roof is suitable. Planning restrictions may apply for listed buildings and properties within conservation areas. Your NICEIC Green Deal Advisor will provide you with impartial advice on the measures most suitable for your home.

What do I need to do next?

Step 1

Get an energy assessment report completed on your home by an NICEIC Green Deal Advisor.

Step 2

Present your report to a Green Deal Provider who will assess whether to approve the finance on the measures you wish to install and coordinate your Green Deal plan.

Step 3

If approved, the Green Deal Provider can arrange for the installation to be carried out by an NICEIC Green Deal Installer.

Step 4

Once installed, your Green Deal payments will be included as instalments in your energy bill. This will be arranged for you by your Green Deal Provider and your energy supplier.

[Click here to join](#)
or call **0843 290 3518**

to find a certified **Green Deal** Advisor, Provider and Installer to start your Green Deal now.