

## Sheet 29: Requirements for Installation of On-Roof Solar Hot Water Systems

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### Purpose of This Information Sheet

To provide a guide on building application requirements for installing **on-roof** solar hot water systems (systems including the solar panels and the water tank and located on the roof).

### Source Legislation / Other Information

**Legislation:** Building Regulations 2006

**Wind category rating:** The Council is within a cyclonic zone. Building work is required to be designed to comply with the wind rating of the property. Drawing plans must confirm the design standard. To find out the wind rating of your property contact either your nominated RPEQ Engineer or the authority nominated to assess the application.

### When is a Permit Required

#### **On-roof system being installed on an existing building:**

The roof frame is to be assessed if it will be structurally capable of accepting the load of the system.

#### If the roof frame is determined to be capable of accepting the load:

The plumbing/drainage work is to be performed in accordance with the Plumbing Application Service as notifiable work. No building application will be required.

#### If the roof frame is determined to *not* be capable of accepting the load:

The plumbing/ drainage work is to be performed in accordance with the Plumbing Application Service as notifiable work.

The upgrading of the frame is considered to be assessable building work in accordance with the Building Regulations 2006 and therefore a building application will be required.

#### **On-roof system being installed as part of a new building project:**

The installation is considered to be a component of the building project and details of method of installation are to be provided within that application. Refer to Item 4 and 5 below for information which be provided and to Section 'Final Inspection Requirements' below.

#### **Split system being installed on a new or existing building:**

A split hot water system (where the water tank is located on the ground) is not considered to be assessable building work in accordance with the Building Regulations 2006 due to the minimal load of the panels and therefore no building application is required for installing these systems. This does not negate the responsibilities of the installer to ensure the work is carried out in accordance with manufacturer's specifications and in a tradesmanlike manner.

### Documents Required for Lodging the Application

Where an on-roof solar hot water system is to be installed on an existing building then an application is required, and the following documentation is required to support the application:

1. DA Form 2 (building details)
2. Plan of the dwelling and showing the proposed location of the system
3. Tie-down details as per manufacturer's details or as per competent person
4. A statement confirming the existing roof frame is structurally sufficient to accept the load of the system. If strengthening is required, then plans are to be provided.
5. A fee for the assessment and inspection of the installation is required for minor building works.

### Final Inspection Requirements

A Form 16 inspection certificate is required to be completed by the installer to confirm the fixture has been installed in accordance with the manufacturer's specifications and the approved building plans. The Form 16 is obtainable on the website [www.hpw.qld.gov.au](http://www.hpw.qld.gov.au). Upon completion of the installation, arrangements should be made with the certifier to conduct a final inspection and the completed Form 16 is to be provided to the certifier by that time.

### To Lodge the Building Application

The application may be lodged at 25 Normanby Street, Yeppoon.