

REHEAT CAPITAL INVESTMENT GRANT

Solar Thermal Mechanical Completion Certificate Ver 1.1

1. Project Details and Plant Owner/Location

SEAI Grant Reference Number	
Project Title	

Authorised Representative of Installation Company

Name			
Organisation			
Position			
Address			
	County		
Telephone		Fax	
Mobile		Email	

2. Mechanical Completion Check

Solar Hot water Details	Installed
Solar Collector Make (Manufacturer's Name)	
Solar Collector Model/ Model reference number	
Number of Collectors	
Solar Collector Type (e.g. Flat plate, Evacuated Tube)	
Total Aperture Area	
Total Surface (Gross) Area	
Mounting (e.g. Pitched roof, flat roof, vertical)	
Serial Number	

Is the system roof mounted?	
If yes, are all necessary structural requirements in place?	
Have the mounting supports and roof access been checked and are mechanically complete?	

For systems that are <u>not</u> roof mounted please provide a brief description of the installation.	
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Installation Details	
Is the solar collector system installed as per the manufacturer's instructions?	
Is the solar collector system installed to all relevant standards?	
Is all the connecting pipework for cold water, hot water, steam and condensate installed and complete?	
Are all pipe supports installed?	
Is all hot piping insulated?	
Are all tie-ins to thermal load of end user installed?	
Has the system been leak tested?	
Is all pipework completed, pressure tested and balanced?	
Are all electrical connections installed?	
Are all the required meters installed as per manufacturer's instructions and per feasibility study?	
Is the buffer or any other vessel complete and with all necessary gauges, vents, pressure relief devices?	
Is the mounting angle (degrees from horizontal) acceptable?	
Is the orientation (degrees from South) acceptable?	
Are the panels overshadowed by buildings or trees?	
Is anti-freeze or other additive completed and recorded?	
Is collection of anti freeze liquid from pressure relieve valve in place?	
Is the concentration of antifreeze correct?	
Is all anti-corrosion paintwork complete	
Has air bleeding of the loop been completed (i.e. no audible or visible gases left in fully-fitted systems)	
Is pressure in the solar loop correct after final bleeding?	
Have sensors been correctly placed and sensor wire correctly fastened?	
Are temperature readings and controller settings correct?	
Access & Maintenance	
Is there safe access for maintenance?	
If any of the above questions were answered no or n/a please explain:	

3. Authorised Declaration

I confirm that the above installation has been properly installed in accordance to proper professional standards of workmanship meeting the Codes and Standards applicable to such installations and is ready for commissioning.

Signature of Authorised representative of Installer¹

Date

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¹ Electronic Signature Acceptable