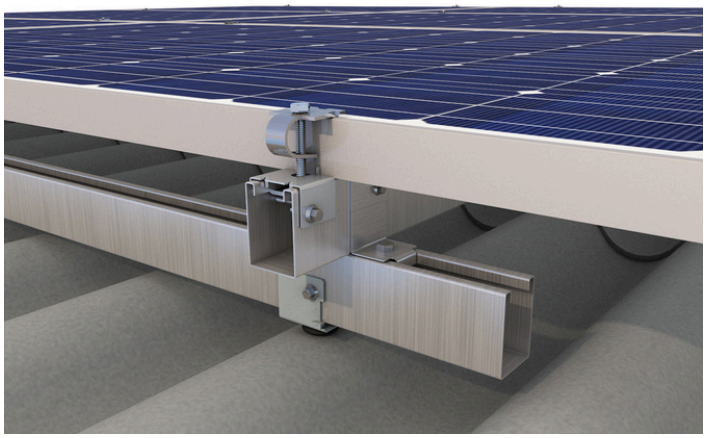
ADIWATT
Le photovoltaïque, une histoire d'experts

Technical datasheet

Process under ETN

Optima for fiber cement roof

The AdiWatt OPTIMA process combines framed photovoltaic modules with a specific mounting system that allows them to be installed on fibre cement roof tiles in landscape mode.

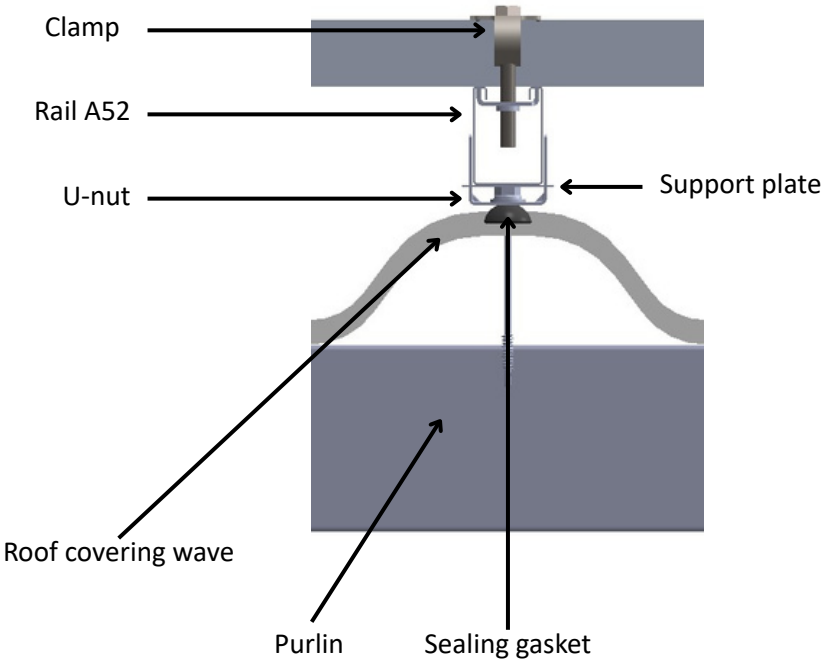


Material of corrugated sheets	Cement fibres in accordance with DTU 40.37 or Technical Assessment
Field of application	New or existing roofing covered with fibre cement sheets compliant with DTU 40.37 or current technical approval.
Intallation areas	Low and medium humidity premises
Maximum installation altitude	900 m
Minimum and maximum slope	5° mini (9%) to 30° maxi (30%)
System weight/m2	3,5 kg/m² approximately
Integration system material	ZM310 coated structural steel (in accordance with EN 10346)
Modules	Framed for landscape orientation
Centre distance between supports	According to DTU 40.37: 1.385 m nominal*
Maximum roof lenght	40 m

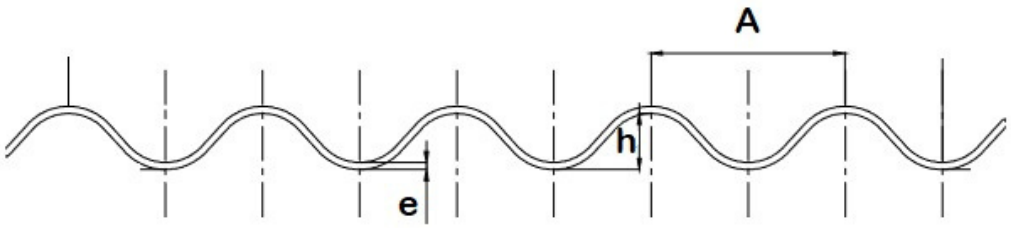
*Subject to feasibility, sizing carried out by AdiWatt

Systeme parts

Clamp + U-nut + sealing gasket
Support plate
Rail A52: lenght 1750 mm lenght 2100 mm lenght 3500 mm
Inner rail fishplate
OPTIMA rail stop
A52 rail support U
Washer VA Ø 25



Compatible cover profiles



Number of waves	4, 5 or 6 waves per plate
Fastening to the roof frame	Fastening with self-drilling wing screws
Screw diameter	Ø6,3 or Ø6,5
Waves to fix	Unless otherwise recommended: - Waves No. 2 and No. 5 for 5- or 6-wave plates - Waves No. 2 and No. 4 for 4-wave plates
Roof structure material	Steel or wood
Width of supports	45mm minimum for steel, 65mm for wood