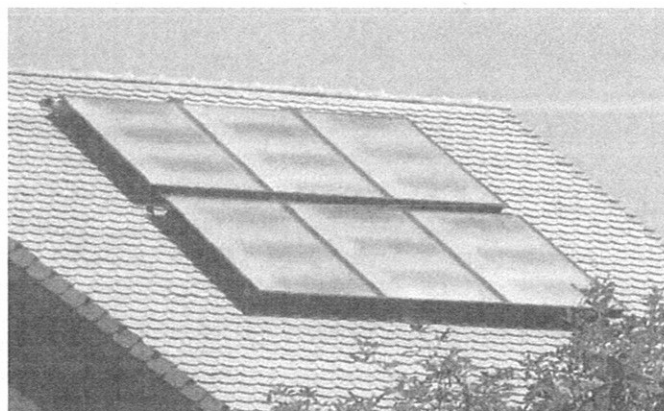


Roth flat collector Heliostar® 218 und 252

... a good team



Advantages at a glance

Quality case

- extremely stressable polycarbonate case (high impact, temperature, wind and UV-resistance)
- light weight despite its size
- no leakage due to construction, production of one piece
- permanently corrosion resistant

High performance absorber

- high selectively coated full area absorber guarantees highest performance
- perfect connection of the pipes to the absorber plate

Optimal insulation

- thick walled polycarbonate case
- back wall insulation 60 mm

Safety glass

- low-iron solar safety glass, fulfils hail resistance class 1
- double sealing of glass

Modern design

- rounded case form without edges and crevices
- dark colour for inconspicuous appearance
- visual unit of collectors in row

Installation advantages

- low weight
- easy on-roof installation by engaging the attachment rail in the grooves in the collector case
- optimal stability and improved optic due to closer on-roof installation
- complete attachment system is not visible after installation
- attachment on the carrying element of the roof, the roof rafter
- Roth fast installation system for comfortable and fast in row installation of collectors without tools
- polycarbonate case without sharp edges
- edge of case in combination with handle troughs in bottom provide best access to the complete surface
- no soldering on-roof necessary since all connections are carried out as flat sealing
- installation friendly accessory

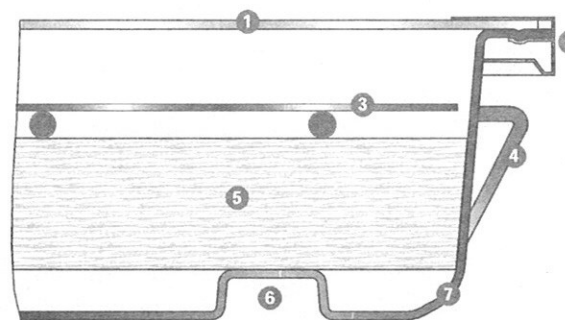
Flexible usage

- on-roof, in-roof, free installation or installed on facades

Comprehensive Roth guarantee

- 10 year Roth system guarantee

Cut of collector



- highly transparent safety glass
- revolving aluminium frame
- high selectively coated full area absorber
- attachment points
- 60 mm thick thermal insulation
- grooves for easy installation
- collector case made of polycarbonate

The right size for every application

Depending on the application and requirements you can choose between the Roth Heliostar® models. The Heliostar® 252 has a gross surface area of 2.52 m² and weighs 43 kg and the Heliostar® 218 has a gross surface area of 2.18 m² with a weight of 35 kg.

Technical specifications Roth flat collector Heliostar®

	Heliostar® 252	Heliostar® 218
Length	2100 mm	1820 mm
Width	1200 mm	1200 mm
Height	109 mm	109 mm
Gross surface area	2.52 m²	2.18 m²
Aperture surface area	2.30 m²	1.96 m²
Weight	43 kg	35 kg
Collector case	highly stressable polycarbonate case construction, tight all around due to deep-drawn manufacturing process of one piece, permanently corrosion resistant	
Glass cover	low-iron solar safety glass transmission $\tau = 91\%$	
Absorber	vacuum, high selectively coated full area absorber	
Absorption	$\alpha = 95\%$	$\alpha = 95\%$
Emission	$\epsilon = 5\%$	$\epsilon = 5\%$
Fluid capacity	1,46 l	1,26 l
Heat transfer medium	solar fluid Heliostar® and F2	
Operation pressure (max)	15 bar	15 bar
Solar sensor sleeve	inside Ø = 6 mm	inside Ø = 6 mm
Collector connection	1/2" M1 fine sealing	1/2" M1 flat sealing
Collector yield, per annum	over 525 kWh/m²a	over 525 kWh/m²a
Area of application	domestic water heating and heating support	