

# EcoBlue Solar Collectors

## Product Specifications

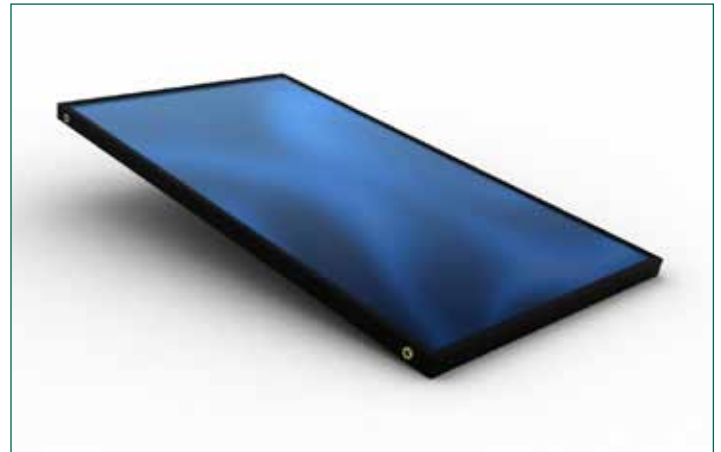


Chromagen's advanced EcoBlue collectors have the technological edge over the competition. EcoBlue collectors consist of the latest "Blue Sputter" coating technology, developed in Europe to provide the ultimate thermal absorption properties whilst minimising heat losses through emissivity. EcoBlue collectors are produced using environmentally-friendly materials & practices and allow Chromagen systems to attract high government STC's and the benefits of higher savings on running costs, year after year.

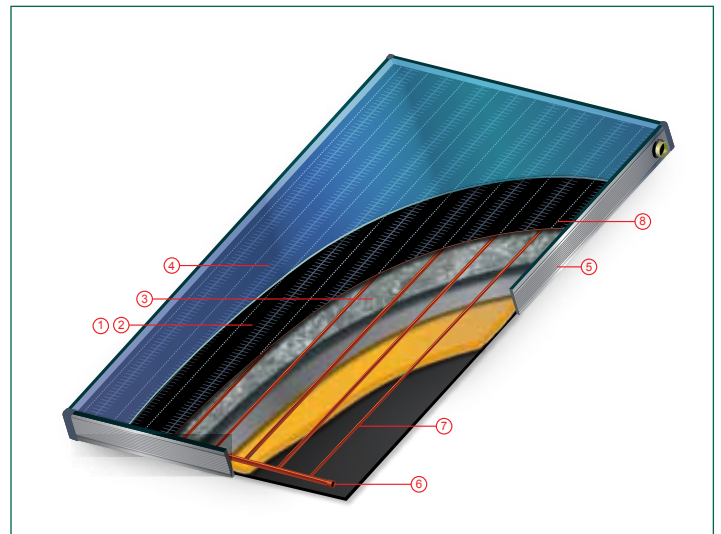
### Special Features:

- Ultra-selective blue sputter provides high thermal absorptance
- Low emissivity provides higher system efficiency
- Tubes and plates are ultrasonically welded together for a stronger bond and superior heat transfer properties
- Manufactured to ISO 9001 International quality standards

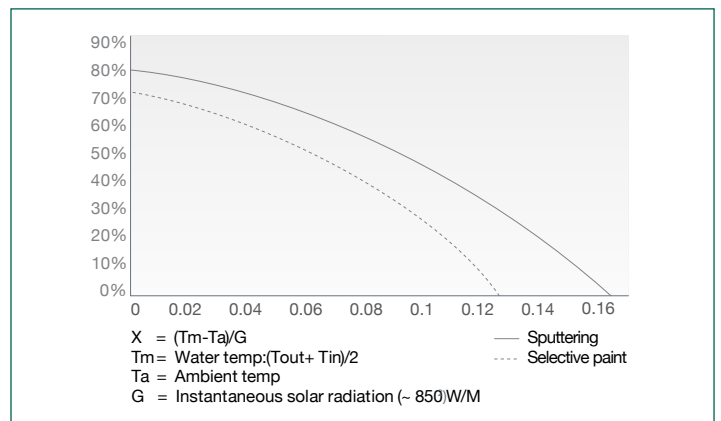
	Absorptance	Emissivity
	$\alpha$	$\epsilon$
Blue Sputter Ultra selective coating	0.9	0.05
Black Selective Paint	0.95	0.45



Material Specifications		
1	Absorber plate	Aluminium
2	Absorber Surface Treatment	Ultra-selective environmentally-friendly Blue Sputter coating
3	Insulation material	Polyurethane and glass wool
4	Panel Cover Material	Low iron, tempered glass
5	Casing Material	Black anodised steel
6	Frame	Black anodised steel
7	Tube grid material	Copper
8	Riser material	Copper
Construction Type		Ultrasonically welded plate
Flow Pattern		Parallel grid



Physical Dimensions and Characteristics	
Model / Type	CR120SP / Flat plate collector
Height x Width x Depth (mm) (not incl lugs)	2187 x 1274 x 90
Aperture Height x Width (mm)	2130 x 1214
Gross Area (m <sup>2</sup> )	2.77
Aperture Area (m <sup>2</sup> )	2.56
Absorber Area (m <sup>2</sup> )	2.54
Cover Thickness (mm)	3.2
Nominal Collector Weight empty (kg)	43
Maximum Pressure (kPa)	1200
Manifold Diameter (mm)	22.23
Tube diameter or channel dimensions (mm)	12
Heat Transfer medium	Water / Glycol
Fluid content (litres)	4.1



Specifications are subject to change without notice.

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