

Technical Characteristics of Solar Flat Selective Collectors

• Gross Dimensions (mm)	1482mmX1010mm SOLBAR A	1983mmX1010mm SOLBAR B	1983mmX1230mm SOLBAR C
• Collector Thickness (mm)	83	83	83
• Gross(m ²)	1,5	2	2,5
• Glazing Type	Pattern Tempered Safety Glass acc EN 579-9:2006	Pattern Tempered Safety Glass acc EN 579-9:2006	Pattern Tempered Safety Glass acc EN 579-9:2006
• Collector weight without fluid	22Kg	28,5Kg	34,7Kg
• Weight of liquid inside collector	1,12Kg	1,40Kg	1,59Kg
• Absorber	Selective Aluminium (Tinox robust) acc EN 573/3 & EN 485/2	Selective Aluminium (Tinox robust) acc EN 573/3 & EN 485/2	Selective Aluminium (Tinox robust) acc EN 573/3 & EN 485/2
• Bond between riser and Fin / Plate	Ultrasonic Laser	Ultrasonic Laser	Ultrasonic Laser
• Material of the risers and headers	(Cu>99,90 – P:0,015- 0,040) acc EN 12449, R360	(Cu>99,90 – P:0,015- 0,040) acc EN 12449, R360	(Cu>99,90 – P:0,015- 0,040) acc EN 12449, R360
• External diameter of the risers (mm)	8	8	8
• Header outer diameter (mm)	22	22	22
• Insulation material	Mineral Wool P acc EN 1272:2008	Mineral Wool P acc EN 1272:2008	Mineral Wool P acc EN 1272:2008
• Thermal conductivity of back insulation material (λb) in (10 °C)	0,040 W/mK	0,040 W/mK	0,040 W/mK
• Frame structure	Aluminium (Al) acc EN 15088:2006	Aluminium (Al) acc EN 15088:2006	Aluminium (Al) acc EN 15088:2006
• Maximum operating pressure at 45 °C	10 bar	10 bar	10 bar
• Sealing Material	Rubber EPDM -Silicone acc EN 1279-4	Rubber EPDM -Silicone acc EN 1279-4	Rubber EPDM -Silicone acc EN 1279-4

Certificate issued by Evetam SA: **MIRTEC1-01-2983CER24032300004**

