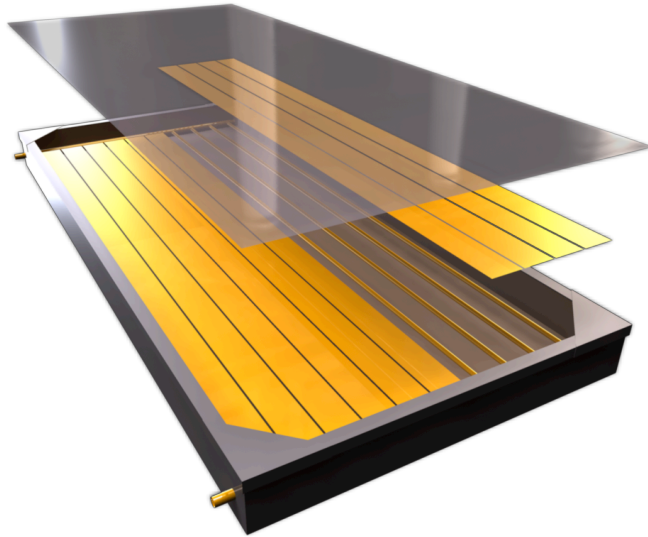




SD7 Series Solar Collector



SD7CRW (4' x 10') - Bronze finish blends nicely with the roof.



Sunstar Collectors on new construction designed to look like skylights.

ADVANTAGES:

LIGHTWEIGHT
HIGH PERFORMANCE - See test data and compare.
MAXIMUM ENERGY TRANSMISSION - Low-Iron tempered glass.
CLOSED CELL INSULATION to prevent soaking up water and fogging.

SPECIFICATIONS:

NOMINAL DIMENSIONS -

4' x 8'	Models 46 1/2" x 96 1/2"
4' x 10'	Models 48 1/4" x 120 1/4"
4' x 13'	Models 46 1/2" x 153" x 4"
2' x 10'	Models 24 1/2" x 120 1/2"

WEIGHT -

4' x 8'	107 lbs
4' x 10'	171 lbs
4' x 13'	176 lbs
2' x 10'	60 lbs (SD5: 51lbs)

INSULATION - Celotex Thermax, R 12 under absorber plate, R 8 Edge insulation.

ABSORBER - Copper fin and tube.

WATER PASSAGES - 1/2" copper tubes joined to copper fins 4.375" on center, parallel flow. EPDM grommet on exit pipes.

ABSORBER COATING - Selective black coating on SD7WB (4' x 8') and SD7WB (4' x 10') Sunstars; black chrome on SD7CRW (4' x 10'), SD7CRW (4' x 8') and SD7CRW (4' x 13').

BOX - 6063T5 extruded aluminum frame with .025" thick aluminum sheet backing. Alloy is idea for use in coastal areas. **Bronze coating** is normally stocked.

PROTECTED from high temperature damage - Collector is vented.

GLAZING - Low-iron; tempered glass with patterned finish to reduce reflectivity, EPDM gasket.

FASTENERS - Aluminum rivets, stainless steel (18-8) sheet metal screws.

PRESSURE DROP - 0.05 psi at 2 gpm. for 4' x 10' model.

PRESSURE RATING - 150 psi maximum operating.

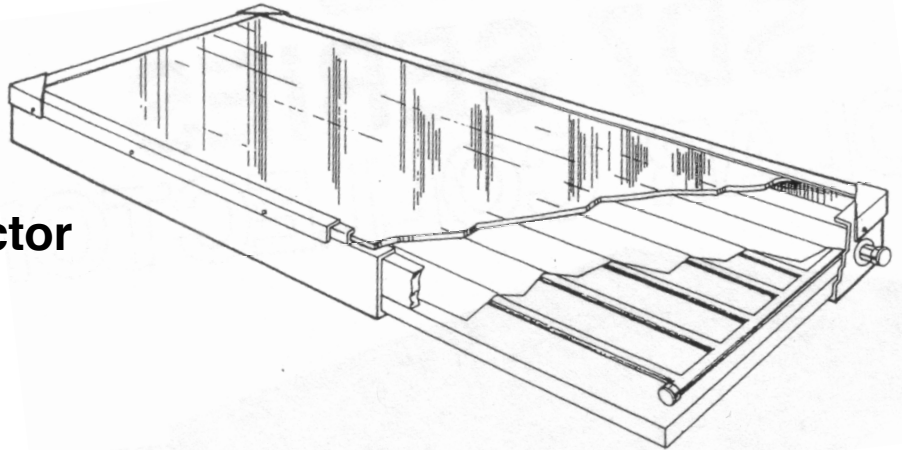
PERFORMANCE TESTING - In accordance with ASHRAE 93-77 California Thermal Shock Test. Certified by the Florida Solar Energy Center.

WIND LOADING TESTING - Tested by Miami Testing Laboratory, Inc.
55 psf on face of collector
84 psf on back of collector
55 psf on interior face of collector

Note: Minor variations in materials may occur in order to improve performance.



SD7 Series Solar Collector

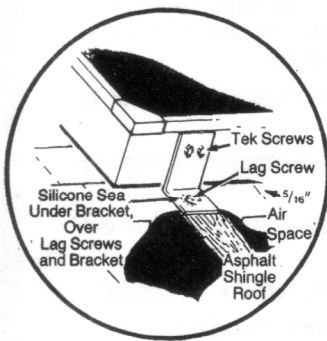


Performance Data

Model	Absorber Coating	Gross Area	*FSEC Rating
SD7WB (4 x 10) Sunstar	Selective	40.5 sq ft	34,600
SD7CRW (4 x 10)	Black Chrome	40.42 sq ft	38,900
SD7WB (4 x 8) Sunstar	Selective	31.25 sq ft	26,800
SD7CRW (4 x 8)	Black Chrome	31.25 sq ft	30,200
SD7CRW (4 x 13)	Black Chrome	49.65 sq ft	48,400
SD7CRW (2 x 10)	Black Chrome	20.6 sq ft	17,400
SD5 (2 x 10)	Black Chrome	20.6 sq ft	14,800

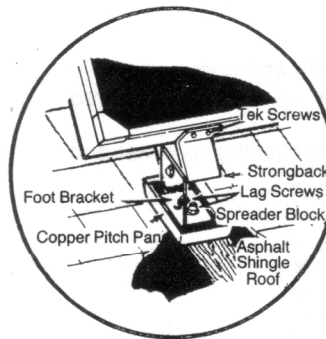
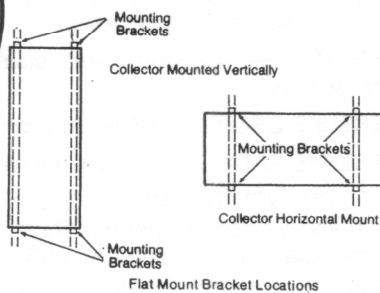
* Florida Solar Energy Center

Mounting Hardware and Accessories - "Stand Alone" Kits



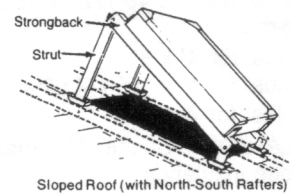
Bracket contains a ledge to support collector — "stand alone" feature.

Flat Mount Bracket Kit
Circled drawing depicts typical installation of the collector panel on a high pitch roof using the flat mount bracket package. Smaller drawings suggest mounting bracket positions.



Tilt Mount Bracket Kit

Tilt mount bracket package includes mounting hardware, copper pitch pans, wooden spreader blocks, fasteners and lag screws. Sealant not included as exact method depends on type roof, local requirements, and compliance with suggested recommendations of National Roofing Contractors Association.



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