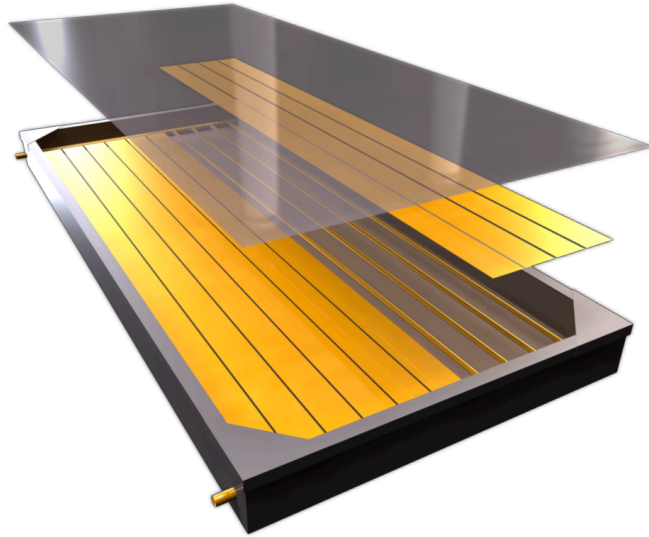




## SD8 Series Solar Collector



SD8 High Performance Collectors

### 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 10'	Models 46 1/2" x 120 1/2"
4' x 8'	Models 46 1/2" x 96 1/2"
4' x 7'	Models 46 1/2" x 86 1/2"
4' x 6.5'	Models 46 1/2" x 76 1/2"
3' x 7'	Models 34 1/2" x 76 1/2"

#### WEIGHT -

4' x 10'	153 lbs
4' x 8'	113 lbs
4' x 7'	99 lbs
4' x 6.5'	90 lbs
3' x 7'	74 lbs

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.

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 and SRCC.

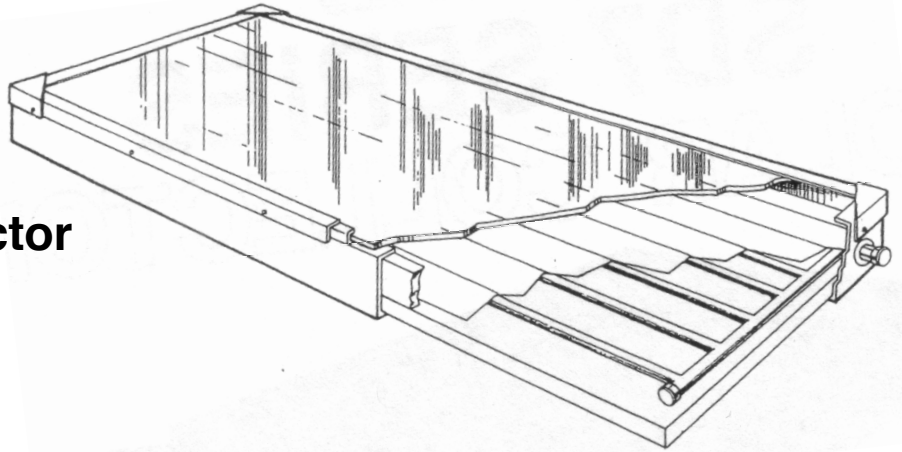
WIND LOADING TESTING - Tested by Miami Testing Laboratory, Inc.

- 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.



## SD8 Series Solar Collector

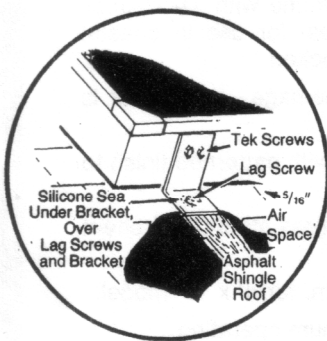


### Performance Data

Model	Absorber Coating	Gross Area	*SRCC Rating
SD8-40	Selective	39.79 sq ft	40,000
SD8-32	Selective	31.91 sq ft	32,000
SD8-28	Selective	27.98 sq ft	28,000
SD8-26	Selective	25.35 sq ft	25,000
SD8-21	Selective	20.79 sq ft	21,000

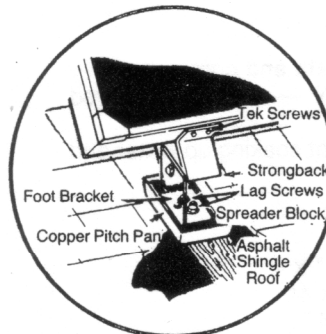
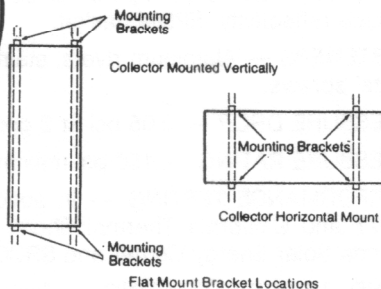
\* Solar Rating and Certification Corporation

### Mounting Hardware and Accessories - "Stand Alone" Kits



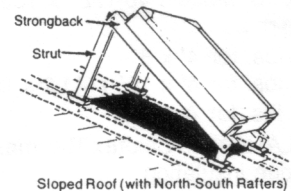
Bracket contains a ledge to support collector — "stand alone" feature.

**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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