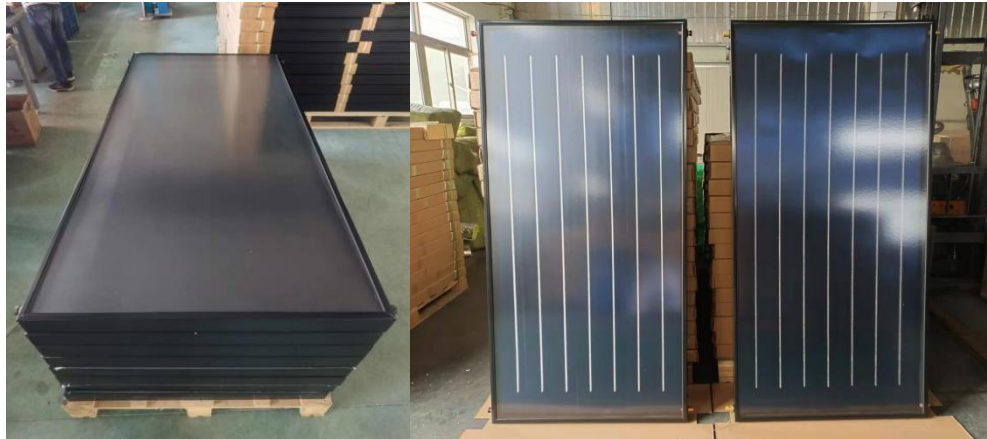


1. Absorbing film

Black Chrome film most economical

Blue Titanium film-stitched 2.5usd more than black chrome film

Blue Titanium film-complete 5usd more than black chrome film



2. Aluminum alloy frame

Optional thicknesses are available with 0.85mm 1.0mm.

0.85mm is cheaper but easier to bend!

Optional colors are available with Silver, Golden and Black



3. Weld

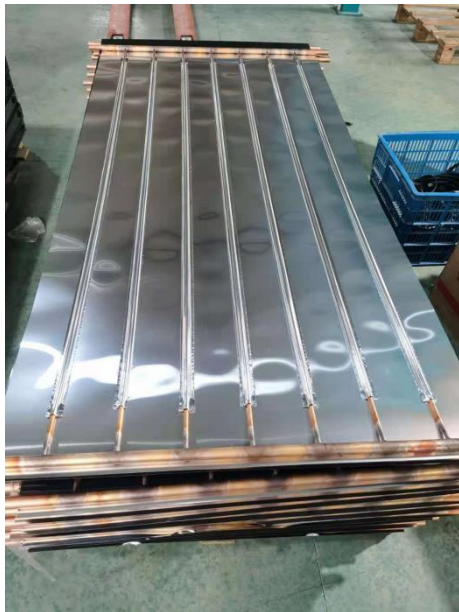
If laser weld

1. easier and faster for production
2. poor heat conduction due to small heat production area by laser weld
3. short lifespan due to different expansion coefficients between copper tube and aluminum film, weld breaks after long time use
4. obvious wrinkles



If Ultrasonic Wrap Welding

1. big tolerance on copper pipe thickness, because there is no weld on copper pipe
2. poor heat conduction due to gap between film and copper pipe, but higher efficiency than laser weld
3. no wrinkles



If Ultrasonic welding

professional and mature skills

high efficiency of heat conduct efficiency

long life span

no wrinkle

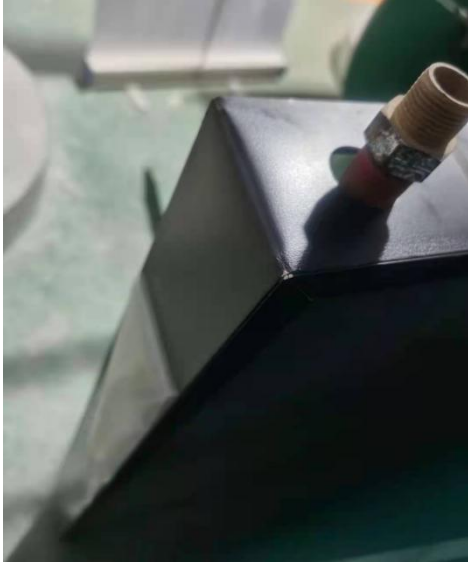
direct weld on film needs high quality film and copper pipe thickness $>0.5\text{mm}$



4. Frame installation

If Bends and Rivets

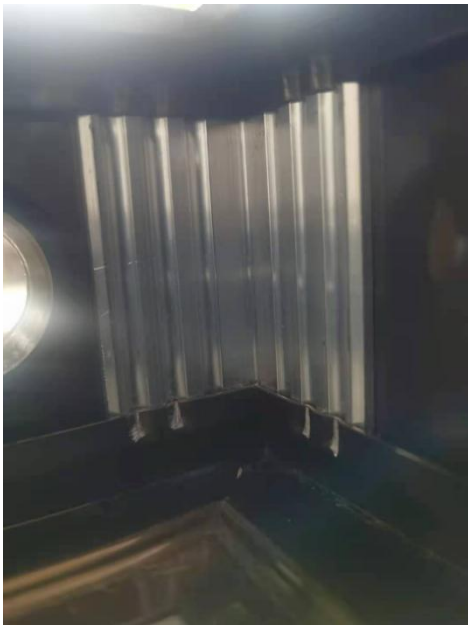
1. Light and easier to form shape, low cost
2. Weak and easier to break
3. Not beautiful using rivets to fix back board



If Corner fixer pressing no rivets

Strong

More costly



5.Sealing material

glass glue - low cost but low sealing performance

EPDM strip - higher cost, more difficult to assembly, durable and high sealing performance



6.Insulation wool

If Black polyester cotton

easy operation for workers

poor thermal insulation performance, easy to fog



If Glass fiber cotton with aluminum foil reflective film

good thermal insulation performance

high heat utilization efficiency

not easy to fog

irritate the skin

workers must wear protective clothing when operating



7. Air vent

If Rubber cap

low cost, easy assembly

poor exhaust performance



If Special nylon exhaust cap

good exhaust performance

high cost, more difficult to assembly



8. back board

Zinc coated steel - low antirust performance , no painting protection

Galvanized steel - higher antirust performance, zinc layer and painting double protection

Aluminium steel - best antirust performance, easier to dent

9. Inlet Outlet

With or without male screws, cost is different



10. Package

With moisture-proof film

Optional half packing at 2 ends or 100% packing

