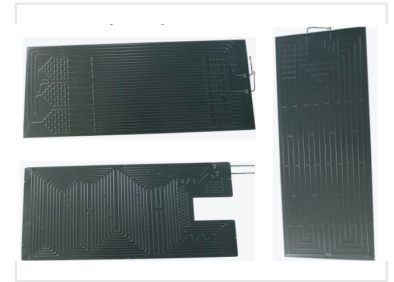


# Roll Bond Evaporator Panel for Heat Pumps

This roll bond evaporator panel is designed for thermodynamic solar systems and hot water heat pumps. It features an integrated fluid channel configuration for efficient heat transfer and is constructed from durable materials.



## ADDITIONAL IMAGES



## Product Overview

### Thermodynamic Solar Evaporator Panel

This roll bond thermodynamic solar panel is expertly engineered for high-efficiency hot water heat pump applications. Utilizing advanced roll bond technology, the panel features integrated internal fluid channels designed to maximize heat absorption and thermal distribution. The robust aluminum construction is treated with specialized powder coating to ensure long-term durability and resistance to environmental corrosion.

## Physical Dimensions

### Maximum Size Limits

**590 mm**

Maximum Width

**2050 mm**

Maximum Length

### Thickness Specifications

| Component        | Thickness Range |
|------------------|-----------------|
| Finished Product | 1.1-2.0 mm      |
| Raw Al-Plate     | 1.4-2.5 mm      |

## Technical Standards

### Coating Durability

- Coating Hardness: e 2H
- Coating Thickness: 40-90  $\mu$ m
- Flexibility: R=3D bend 180° without cracking
- Color Tolerance: E d 1.5

### Internal Standards (R134A)

Residual moisture d 5 /100cm<sup>3</sup>, Residual impurity d 1 /100cm<sup>3</sup>, Residual mineral oil d 100 /100cm<sup>3</sup>, Residual chlorine d 5vppm, Residual paraffin d 3

## Applications

### Common Applications

Solar Panels • Refrigerators • Freezers • Showcases • Water Dispensers • Wine Cabinets