



Steel Strips LLP



# BEST FOR BAKERY TRAY & OVEN / FURNACES

- 25% Cost Saving on Power
- 30% Faster Production
- Uniform Heat Distribution
- Withstand as high as 610°C

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Cost  
Saving

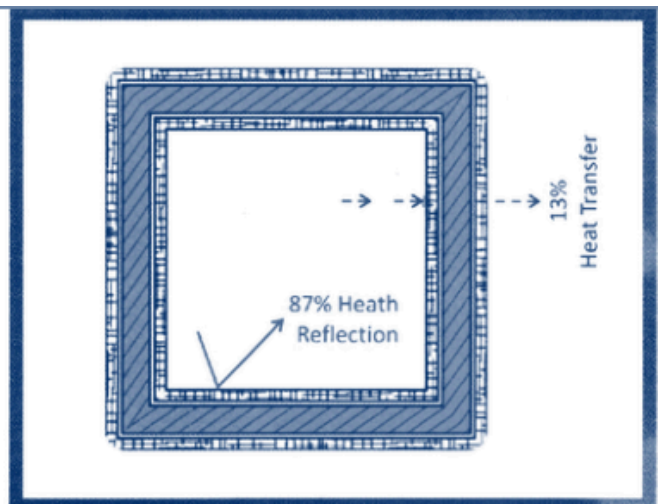
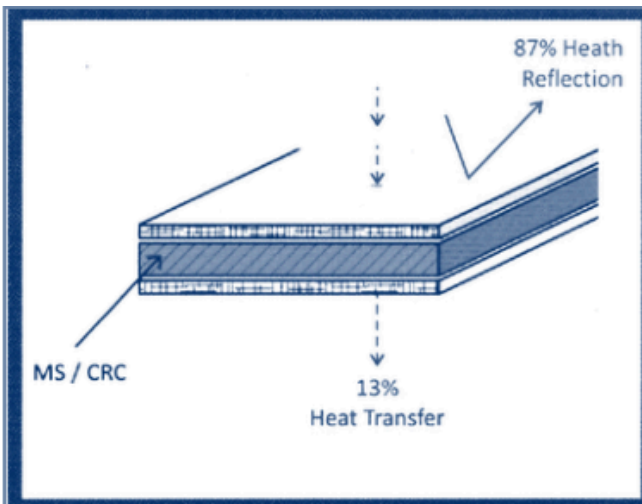
Better  
Quality

Long  
Life

# JK-ALU

JK-ALUSTEEL is the best material for bakery industries.

- **Food Grade:** JK-AluSteel is Food grade steel.
  - **Superior Heat Reflectivity:** The sheet has superior heat reflectivity, which increases energy efficiency, making it an excellent material for the interior of ovens.
1. 87% of heat is reflected.
  2. Only 13% is transferred through its thickness.
- **Increased Productivity:** This reduces baking time by 25% to 30%, thereby increasing productivity and reducing power consumption.
  - **Retained Toughness:** The toughness (hardness or tensile strength) of JK-Alusteel remains the same throughout its life, whereas SS / Aluminium / Galvanized steel become softer and change shape after some time.
  - **Extended Durability:** JK-Alusteel life is 3 times more than Stainless Steel and 7 times or more than Galvanized steel.



Product	Ratio (%)
JK-Alu	87%
Galvalume	65%
Stainless Steel	51%
Galvanized Steel	48%

Product	Heat Transfer (W/m <sup>2</sup> )
JK-Alu	40
Galvalume	89
Stainless Steel	120
Galvanized Steel	120

# PRODUCTS

- Aluminium Coated Steel
- Galvalume / Aluzinc / Zinalume
- Scratch Free Aluminum Coated Steel
- Zinctech

## Aluminium Coated Steel

JK Alu

Cold Rolled (Mild Steel) + Aluminum  
92% + Silicon 8%  
Hot Dip Process

### Benefits

- High Heat Absorption on the surface
- 550 Degree Heat resistivity
- Corrosion Resistance at high heat
- Almost equal distribution of Heat
- Fast Distribution of Heat on surface
- Power Saver
- Fast Cooling Fast Production
- No Lead
- No Mercury

### Thermal Conductive

- 60% better than Stainless steel
- 45% better Than Galvalume

Parameter	Details
Thickness	0.30 to 3 mm
Width	1400 mm max
Grade	EDD, DD, D, Half Hard, Full Hard
Coating	100 GSM ~ 280 GSM

### Application

Bakery Trays / Oven Heat Shields /  
Machine Body

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**Stove**



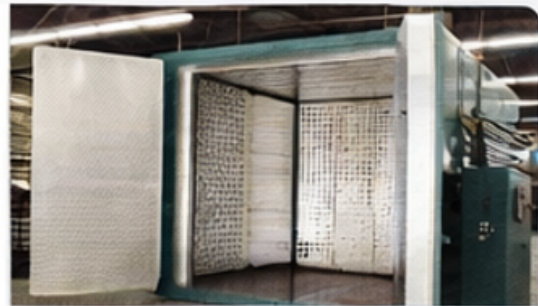
**Oven**



**Machine Bodies**



**Baking Trays**



**Industrial Baking Equipment**

# Stronger Steel. Smarter Heat



## Why Choose Us?

JK-AluSteel is engineered to deliver superior heat reflectivity, reducing power consumption while accelerating production cycles. With its food-grade quality and exceptional durability, it significantly outperforms conventional materials in both lifespan and overall efficiency, making it a dependable choice for high-performance applications.



### Our Vision

We aspire to redefine industry standards through innovative and energy-efficient metal solutions. Our vision is to evolve into a globally trusted partner in advanced material solutions, delivering excellence across every application.



### Our Mission

Our mission is to deliver high-performance, food-grade materials that enhance productivity and operational efficiency across applications. We are driven by continuous innovation, consistently working to improve heat management and extend product longevity. With an unwavering focus on quality and reliability, we aim to build lasting partnerships while creating long-term value for our customers.

[WWW.DOSHIENTERPRISES.COM](http://WWW.DOSHIENTERPRISES.COM)

**THANK YOU**



**Steel Strips LLP**

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