

# Hot-Dip Aluminum-Zinc Alloy Coated Steel Coil

Steel coils are coated with an alloy of aluminum, zinc, and silicon using a continuous hot-dip process. The resulting material provides a combination of barrier and sacrificial protection against corrosion, making it suitable for various applications.



## Product Overview

### High-Performance Coated Steel

This hot-dip aluminum-zinc alloy coated steel coil is engineered for exceptional durability and long-term weathering resistance. By combining the barrier protection of aluminum with the sacrificial protection of zinc, it offers a superior alternative to standard galvanized steel. It is highly versatile, providing excellent formability and weldability for diverse applications including roofing, siding, and home appliances.

## Material Composition

### Coating Composition

|                         |                       |                         |
|-------------------------|-----------------------|-------------------------|
| <b>55 %</b><br>Aluminum | <b>43.4 %</b><br>Zinc | <b>1.6 %</b><br>Silicon |
|-------------------------|-----------------------|-------------------------|

## Technical Characteristics

|                       |   |
|-----------------------|---|
| Manufacturing Process | Continuous hot-dip coating  |
| Key Properties        | Corrosion Resistant, Excellent Formability, Weldable, Weather Resistant |

## Applications

### Common Applications

- Roofing
- Siding
- Home Appliances