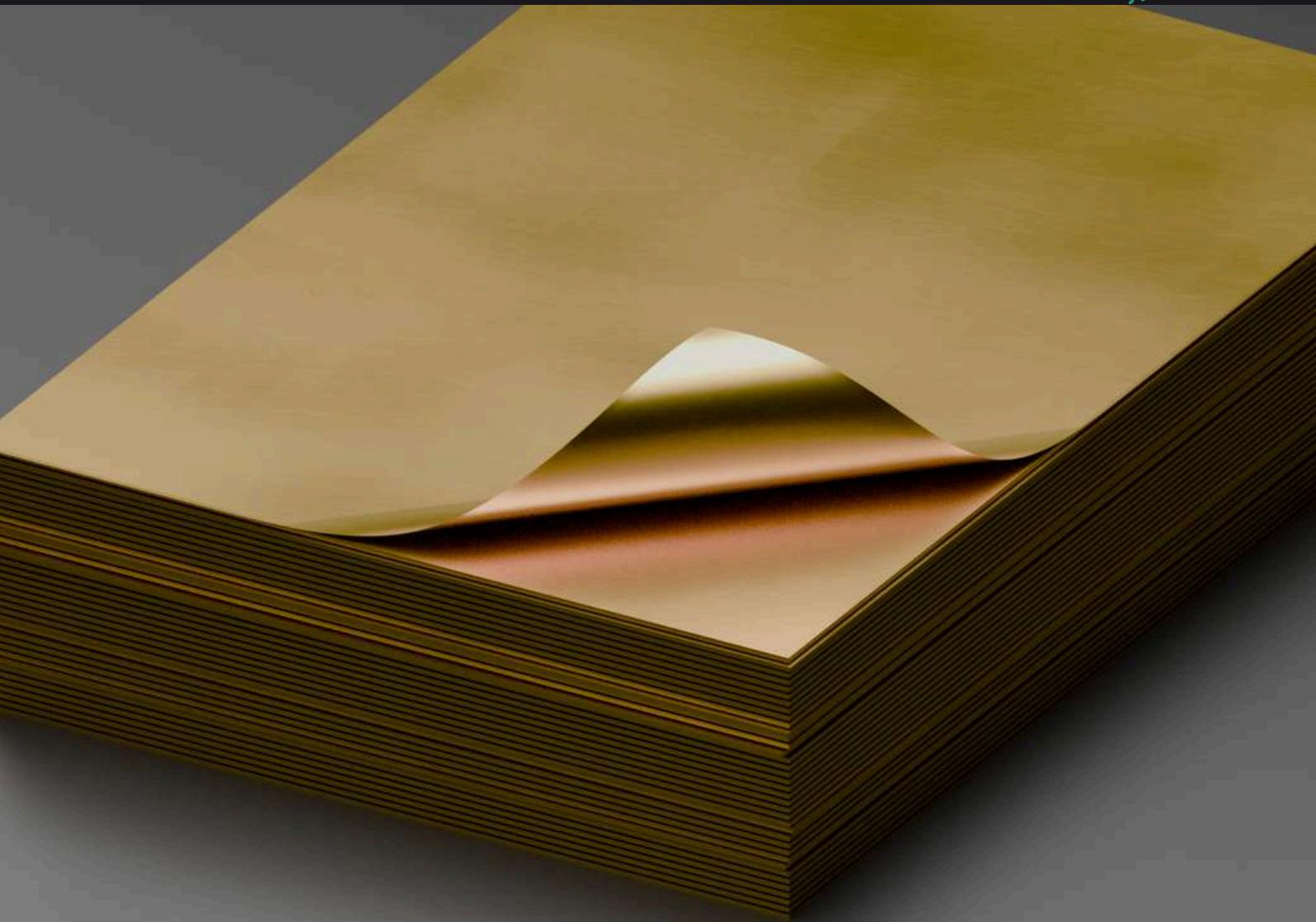


STEEELFORCE
P A C K A G I N G

TECHNICAL DATASHEET
LAMINATED STEEL



Laminated Steel

Comprehensive Technical Overview

Laminated steel is a composite material ideal for metal packaging. It consists of a thin steel sheet (ETP, TFS, or TMBP) coated with one or more polymer layers (e.g., polypropylene (PP) or polyethylene terephthalate (PET)). This coating, applied via hot lamination or adhesive processes, provides excellent corrosion resistance and eliminates the need for conventional coatings and associated substances like bisphenol A (BPA).

1. Uses

Laminated steel applications include:

- Beverage and food containers (2PC and 3PC cans, 18-liter cans and pails)
- Electronic components (printed circuit boards and parts for communication devices)
- Other containers that require specific barrier properties and durability

This material offers an efficient and sustainable alternative to traditionally lacquered solutions.

2. Technical Specifications

Most technical specifications relate to the base steel (ETP and TFS). Refer to the respective ETP or TFS technical data sheets for details. Film-related specifications are detailed below.

3. Films

Laminated steel uses either PET or PP films, applied to one or both sides using heat or adhesive bonding. Typical thicknesses are:

- PP: ~50 micrometers
- PET: 12-25 micrometers (other thicknesses available)

4. Recommendations and Product Handling

For optimal material use, follow these recommendations:

- Storage: Store in a humidity-free environment to prevent oxidation.
- Transportation: Use vehicles with well-maintained floors and roofs.
- Handling: Avoid outdoor storage; use appropriate packaging. In coastal or high-rainfall areas, use equipment to control humidity.
- Material Usage: Use immediately after opening.
- Storage Guidelines:
 - Place larger lots lower in the stack.
 - Maintain a stack height allowing for visual control to prevent injuries, considering base/height stability and floor capacity.



Contact Us

For detailed technical information or assistance with your project requirements, please contact our expert team.



STEEELFORCE

P A C K A G I N G

info@steelforcepackaging.com

www.steelforcepackaging.com