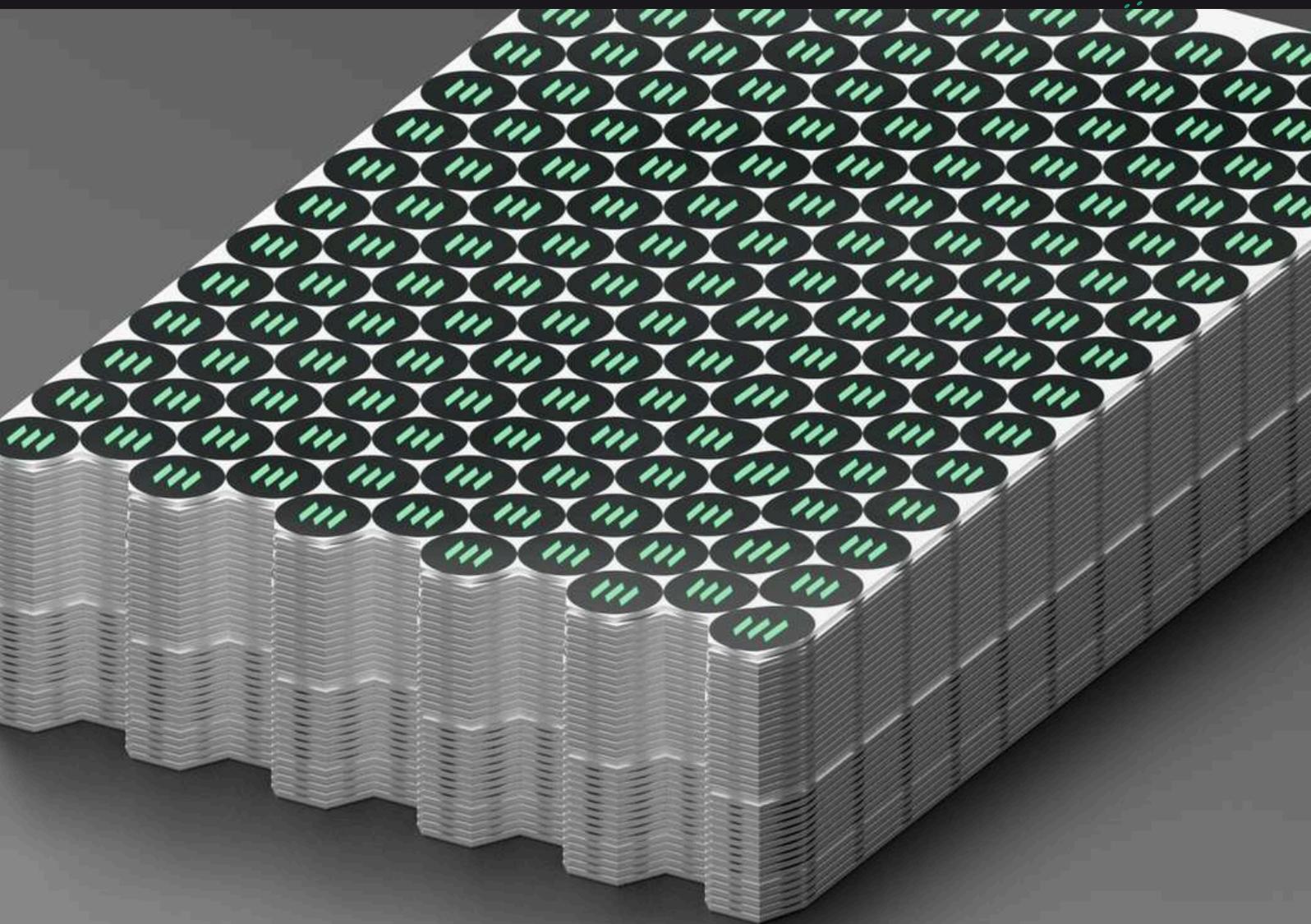


STEEELFORCE
P A C K A G I N G

TECHNICAL DATASHEET
LACQUERED AND
PRINTED



We provide lithographed and lacquered tinplate (ETP) and tin-free steel (TFS) from our Barranquilla location in Colombia. These materials are commonly used in the production of cans and can components for both food and industrial applications.

The process involves coating and/or printing the material to meet customer specifications. Lacquering provides a protective coating on the inside of cans, while lithography adds a direct label to the surface, eliminating the need for paper labels.

Lacquered and Printed Tinplate (ETP) and Tin Free Steel (TFS) are low carbon steel plates which have been coated or printed with polymeric coatings and inks, respectively. Those materials are commonly used for cans and cans component production, both for food (sanitary) and industrial applications.

The material is processed (coated and/or printed) according to the end use or design specified by the customer.

1. USES

Lacquered and printed ETP and TFS allow the brands to have a distinctive design in their cans, enhance the value of the product and help to keep the internal content stable.

This material can be used for stamped parts, lids and ends, oval and cylindrical two- or three-pieces cans, rectangular cans and crown caps for soft drinks and beer

2. TECHNICAL SPECIFICATIONS.

Almost all technical specifications for those materials are related to ETP and TFS, except those specifications related to lacquers and inks. Please refer to the ETP or TFS technical data sheet.

COATINGS AND INKS

Each case must be confirmed between end user and supplier; however we can have availability of almost all coatings and inks global brands. In general terms, the following type of coatings and inks can be applied:

- Epoxyphenolic
- Epoxyester
- Organosol
- Polyester
- Acrylic
- Conventional inks (thermal inks).



3. LACQUERED AND PRINTED SHEETS AVAILABILITY

PACKAGES PRESENTATION			
Lithographed sheets (Press)			
Width	mm	710	1130
Length	mm	510	960
Maximum printing area	mm	1130 (Width)	945 (Length)
Package weight	Kg	N/A	2.500
Package height	mm	N/A	450

Lacquered sheets			
Width	mm	710	1130
Length	mm	510	960
Maximum printing area	mm	1130 (Width)	945 (Length)
Package weight	Kg	N/A	2.500
Package height	mm	N/A	450



4. RECOMMENDATIONS AND PRODUCT HANDLING.

- For maximum usage of the raw material, the following recommendations should be followed:
- The material should be stored in a humidity-free environment to prevent and risk of oxidation.
- Oxidation is the result of the interaction among the iron, exposed through imperfections in the coating, water (humidity) and oxygen in the air.
- To prevent oxidation it is necessary to take care when transporting, storing and handling the material by following these precautions:
- Demand appropriate transportation, with vehicles that have floors and roofs in good condition
- Inspect one hundred percent of each production order to check the general status of the packaging





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