

Proven Solutions for **Green** Packaging



Excellent
Quality



Hygiene
& Safety



On-time
Delivery



THE COMPANY

Tata Steel – Tinplate Division is one the most preferred metal packaging media and it is used both for food products like fresh and processed edibles, beverages and in non-food applications such as paints, aerosols, battery jackets and chemicals closures. It is a green packaging medium that is **100% bio-degradable** and **eco-friendly**.

Tata Steel – Tinplate Division (formerly Tinplate Company of India) was incorporated in 1920, with Tata Steel as a one-third partner. Company seized a wartime opportunity that had created a shortage of tinplate supplies. There was a demand for packaged kerosene oil for the Burmah Oil Company. The much sought-after Victoria brand of kerosene found a solution in tinplate's protective and environment-friendly medium.

In 100 years, we have pioneered tinplate production in India. Having an annual capacity of 3,79,000 MT, the Company

enjoys a pan-India presence with tinplate being a much sought-after commodity at 24 export destinations as well. Our value-added downstream products also include printed and lacquered products from our state-of-the-art solution centre, and the unique proposition of branded oil can-PAXEL, through our service and solution partners.

OUR OFFERINGS

- **ETP & TFS sheets**
(plain, lacquered and printed)
- **ETP & TFS Coils**
(in both Eye-to-Sky/ Eye-to-Wall)
- **Paxel Cans**
(15kg Oil Cans, Printed & Lacquered Sheets from our Service and Solution Partners - SSPs)

Electrolytic Tinplate

Preferred metal packaging solution

ETP of our Company is the most preferred packaging solution with various attractive features like :



Eco-friendly & Sustainable - Made from 12% recycled steel



Aroma & flavour retention



Pilfer & tamper-proof



Ultraviolet ray & bacterial protection



Excellent printability



Long shelf life

100+
years
Exceptional
quality

100%
backward
linkages with
TATA Steel

100
years of established
customer
relationship and
trust

100%
quality of service with
a network of stockyard,
distributors and
Tinplate Salesforce



PRODUCT SPECIFICATIONS

All products conform to the following standard specifications:

- IS 1993:2018 / ISO 11949:2016
- IS 9396 (Part 1) : 1987
- JIS G3303 SPTE
- EN standard 10202
- All processes conform to BIS, ISO-9001 , OHSAS-18001, EMS-14001, FSMS-22000, HALAL



PRODUCT CLASSIFICATION

ETP comes in Single Reduced (SR) and Double Reduced (DR)

	SR		DR	
	Sheet	Coil	Sheet	Coils
Thickness	0.18 mm to 0.40 mm	0.18 mm to 0.40 mm	0.14 mm to 0.24 mm	0.14 mm to 0.24 mm
Width	700 mm to 1020 mm	700 mm to 1020 mm	700 mm to 1020 mm	700 mm to 1020 mm
Cut Length	510 mm to 1135 mm*	–	510 mm to 1135 mm*	–
Coil Inside Diameter		W508, S508		W508, S508

**(can be extended to 1200mm)*

ETP Double Reduced (DR) Tinplate is normally

- Thinner
- Stronger
- Brighter, as compared to convention Single Reduced Tinplate
- Produces more cans from each ton of tinplate

SR and DR are available either equally coated or differentially coated in the following grades:

Type	Coating Code	Nominal Coating Mass (gm/m ²)	
		Per Surface	Total Both Surface
Equally Coated	E 1.12/1.12	1.12	2.24
	E 2.8/2.8	2.8	5.60
	E 5.6/5.6	5.6	11.2
Differentially Coated		Heavily Coated Surface	Lightly Coated Surface
	D 5.6/2.8	5.6	2.8
	D 8.4/2.8	8.4	2.8
	D 8.4/5.6	8.4	5.6
	D 11.2/5.6	11.2	5.6

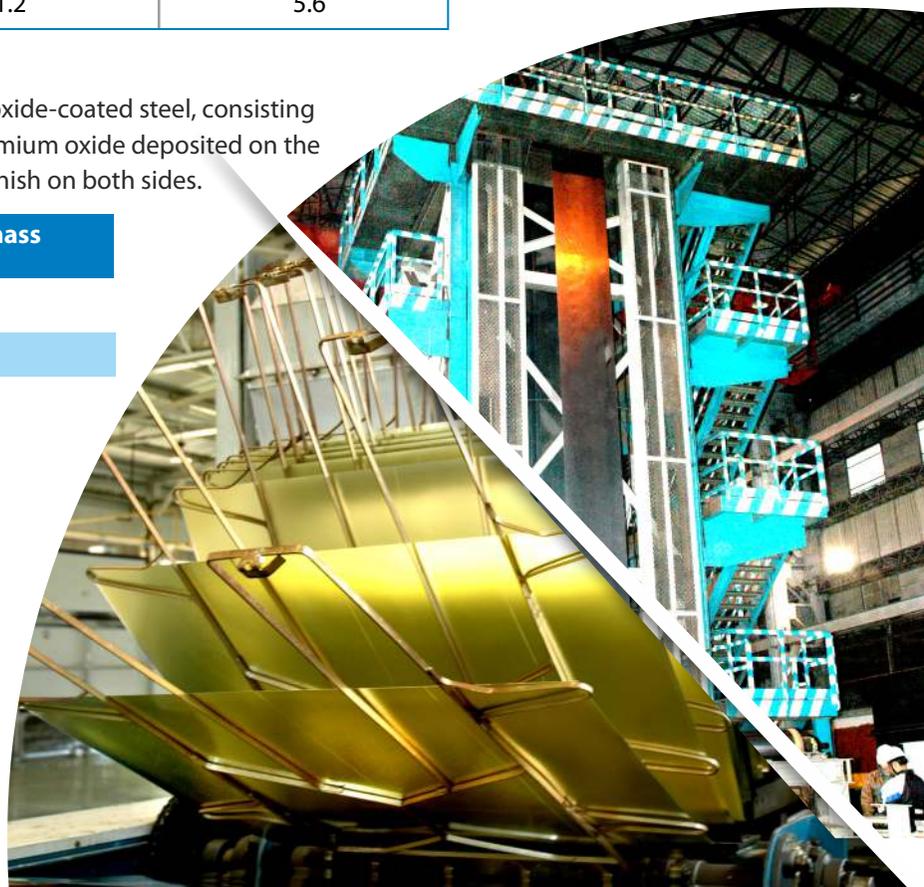


TFS

Tin Free Steel is an electrolytic chromium & chromium oxide-coated steel, consisting of a thin layer of metallic chromium and a layer of chromium oxide deposited on the steel base which gives it a beautiful, lustrous metallic finish on both sides.

Coating Weight	Average coating mass on each surface
Chromium in Cr. Oxides	5 to 35 mg/sq.m
Metallic Chromium	50 to 185 mg/sq.m

Coating as per IS 12591/ISO 11950



Alternative marking system on heavily coated surface

Designation	Spacing
D 8.4/2.8	25 mm
D8.4/5.6	25 mm alternating with 12.5 mm
D11.2/2.8	37.5 mm
D11.2/5.6	37.5 mm alternating with 12.5 mm
D11.2/8.4	37.5 mm alternating with 25 mm

Tinplate's ETP is available in batch annealed condition in the following categories:

Temper Classification	Rockwell Hardness (HR 30T)
T 53	53 +/- 4
T 55	55 +/- 4
T 57	57 +/- 4
T 59	59 +/- 4
T 61	61 +/- 4
DR 08	72 +/- 4
DR 8.5	73 +/- 4

Tensile Properties	Rp0.2 in MPa
TS 480	480 +/- 50
TS 520	520 +/- 50

Tinplate's ETP /TFS both are available in the following finishes :

Product finish	Nominal Surface Roughness ($\mu\text{m Ra}$)
Stone	0.35 to 0.60



For the last 100 years, Tinplate has been serving the nation with its pioneering products. It is now ready to shape the future through innovation and transformation. With increased awareness about the environment, health and need for sustainable packaging solutions, demand for tinplate is poised to grow faster than it grew in the last 100 years. Footprints for growth of sustainable packaging are visible through increase in multi-brand retail, nuclearisation of families, burgeoning middle class and urbanisation. Food safety, packaging integrity and environment protection are expected to be the growth drivers for tinplate in the years to come.

Devoted to nature, touching lives across the board we lead the tinplate revolution remaining NaturAllly No. 1.



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