Acciaierie d'Italia

Steel Forward

Tinplate

Coils and cut products

Electrolytic tinplate and **chromium/chromium oxide coated** coils, in short called "**tinplate**", are used to produce **cans for** the preservation of **food**, **crown caps** for bottles, **easy open ends** for cans, generic **metal packaging**, **spray-cans** and **aerosol** containers.

These coils are cold rolled, often undergoing a **double cold reduction**, and then coated by tinning or chrome plating. The thicknesses that can be obtained can be **less than 0.15 mm**.

As these products are used to produce food packaging, steels with a low content of impurities and controlled levels of phosphorus and sulfur are used.
The high cold reduction ratio gives to the strips **high mechanical properties** in relation to their extremely thin thicknesses.

Facilities

Production lines (nr.):	1
Production sites:	Genoa
Production capability (mt/year):	135.000

Dimensional ranges

	Wide strips	Cut sheets
Thickness (mm)	0,145 - 0,490	0,145 - 0,490
Width (mm)	700 - 985	700 - 985
Internal diameter (mm)	419 - 508	-
Length (mm)	-	457 - 1117

Main reference quality standard

Product description	Standard	Steel grades
One-step cold thickness reduction	EN 10202	TH415; TH435
Double-step cold thickness reduction	EN 10202	TH520; TH550; TH580
Double-step cold thickness reduction	Internal ADI standard	T65 WT; TH460; TH480

Supply conditions:

- Tinplate can be supplied with coating mass (gr/m^2) in the range 1,4 ÷ 11,2, (single or both surfaces);
- Chromated can't be supplied with differentiated surface coating mass. Typical total coating mass 50-140 mg/m^2;
- Size and dimensional tolerances according to EN 10202 or other reference standards;
- Technical documents according to EN 10204 or ISO 10474.