



Steel for DWI food cans

The DWI food can is an attractive alternative to welded 3P cans for sterilised food. Several processes co-exist, but the most current one nowadays is still:

- stamping (cupper)
- drawing (bodymaker) and trimming
- outer protection (cleaning + washcoat)
- flanging + beading
- inside lacquering (sprayers)
- Inside Bake Oven

Current can size is D73 mm H110 mm.

The requirements for DWI food cans are a high-speed process, low earing, no split flange, good surface properties (appearance and lacquerability) and good mechanical properties of the cans (axial and radial load).

To meet the requirements, ArcelorMittal offers steel strip with very tight thickness tolerances, good inclusion cleanliness, low anisotropy, and baking hardenability.

Special surface passivations are also available to improve the surface wet-tability and washcoat adhesion if need be.

Typical tinplate strip is:

- thickness range 0.20-0.35 mm
- width around 1,200 mm (up to 1,230 mm)
- temper TH360, TH390, TH430
- tinoating generally unmelted
- special passivation

Product offer for DWI food cans

