



Indian Standard IS 2385 : 1977- Your Guide to Hot-Rolled mild steel sheet and strip in coil form for cold - Reduced tinplate and cold - Reduced blackplate

Hot-Rolled mild steel sheet and strip are obtained by rolling heated steel through a continuous type or reversing type strip mill to the required thickness and because of the hot rolling operation, the surface of these sheet or strips are covered with oxide or scales.

Indian Standard IS 2385, developed by the Bureau of Indian Standards (BIS), outlines the requirements of hot rolled mild steel sheets and strips in coil form commonly in the range of thickness 1.80 mm and thicker and in widths of 600 mm and over for the production of cold reduced tinplate and cold reduced blackplate.

These sheets and strips are generally delivered either in **Mill edge** condition or **Edge Trimmed Condition**. In the Mill Edge normal side edge are produced in hot rolling which may contain some irregularities such as cracks or torn edge or thin feather edges and in edge trimmed condition the edges are trimmed to get uniform width and good edge condition free from cracks or feathers.

This standard ensures hot rolled mild steel sheets and strips in coil form are of good uniform grains, controlled precipitation to obtain the desired physical properties.

The standards outline the maximum **chemical composition of Carbon, Manganese, Sulphur and Phosphorus** such that a desired mechanical properties can be obtained for cold reduction process to produce tinplate and blackplate. The standards further insure that sheets or strips so produced are of good surface finish and are free from laminations, seams, cracks or oxides.

The standards specify that for placing an order for material covered under this standards, the purchaser should specify the dimension, chemical composition, condition of delivery, type of edge etc.

In summary, **IS 2385** is your assurance that the hot rolled mild steel sheets and strips in coil form, you buy are of good quality which can further be used for the production of cold reduced tinplate and cold reduced blackplate.