



Indian Standard (IS: 1038-1983) – Steel Doors, Windows and Ventilators

This Indian Standard (IS: 1038-1983) outlines the specifications for **steel doors, windows, ventilators,** and **fixed-lights** manufactured from rolled steel sections to specified sizes and designs. Steel doors provide access and security, while windows and ventilators offer natural light and airflow. Fixed-lights are for light transmission. This standard does not cover steel doors, windows, ventilators and fixed-lights for use in industrial buildings.

Consumers expect these products to be durable, robust and weather-resistant, with smooth operation, precise fit, and aesthetic appeal. Proper glazing ensures weatherproofing and clarity. Fabrication quality is crucial, with solid welded joints, accurate dimensions, and a rust-free, well-painted or galvanized finish.

The standard lays down the requirements for material for the rolled steel sections, coupling sections for non-modular openings, glass panes and screws. The fabrication requirements for **frames** (including requirements for welded joints), slide hung shutters, top hung ventilators, centre hung windows and ventilators, doors, positioning of holes, fixing screws and lugs. Requirements of glazing and surface finish by pre-treatment , phosphating and painting, hot dip galvanizing are also covered in this standard.

The standard also covers the details of information required to be supplied by the purchaser while placing the order, scale of sampling, criteria for conformity and supply requirements