



IS 15380 : 2023 MOULDED HIGH DENSITY FIBRE HDF PANELLED DOOR SHUTTERS - SPECIFICATION

HDF (High-Density Fiberboard) Panelled Door Shutters are a popular choice in both residential and commercial spaces for their combination of **aesthetic appeal, durability, and cost-effectiveness**. These are **eco friendly** option available to consumer. These doors feature a core made of high-density fiber board, which is processed to offer enhanced strength and smoothness compared to traditional wood panels.

Indian Standard IS 15633, developed by the Bureau of Indian Standards (BIS), specifies the requirements for raw material used , construction, workmanship and various tests to ensure the quality of product.

Raw material requirements given for **timber, Moulded Panel Fibre Board Skin, Adhesive** and Alternative Materials ensure the **durable, eco friendly and cost effective product**.

The test including **Impact indentation** test, Flexure test, Edge loading test, **Shock resistance** test, Buckling resistance test, **Slamming test, Misuse test**, Screw withdrawal resistance test specified in standard ensure **sturdiness of the product**.

The **Varying humidity** test, **End immersion** test, Glue adhesion test ensure that the product is suitable for moist environment and it is durable.

Standard also specifies eco-friendly options in door constructions scheme of labelling environment friendly products known as **ECO-Mark**.