

CATEGORY

BUILDING MATERIALS/COMPONENTS



PRODUCT / TECHNOLOGY



Scan QR Code for
Technology Detail

POLYNORM DOOR FRAMES & SHUTTERS

Alternative to conventional wooden Flush/Panel Doors



Scan QR Code for
Video

CONTACT DETAILS

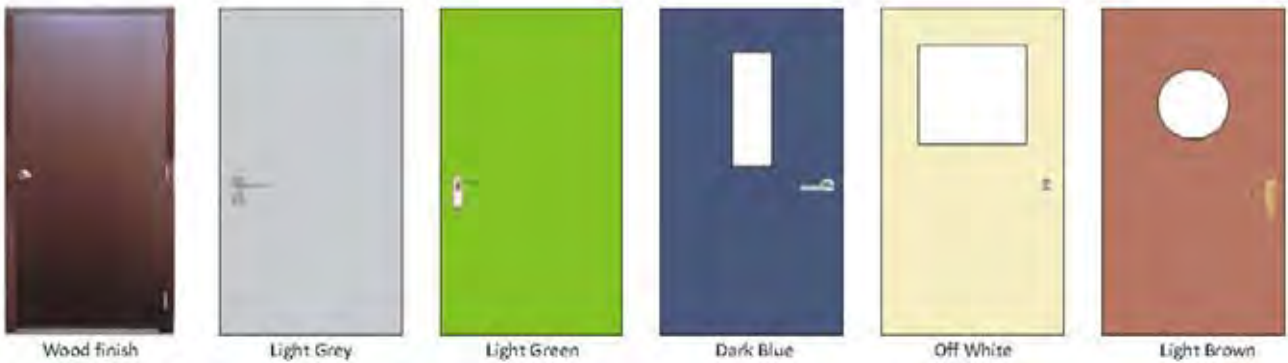
M/s B.G. Shirke Construction Technology Pvt. Ltd.
Contact Person: Shri Y.B. Pathan
Address: 72-76, Industrial Estate, Mundhwa, Pune-411036
E-Mail: polynorm@shirke.co.in
Mob: +91-20-26708100



BRIEF

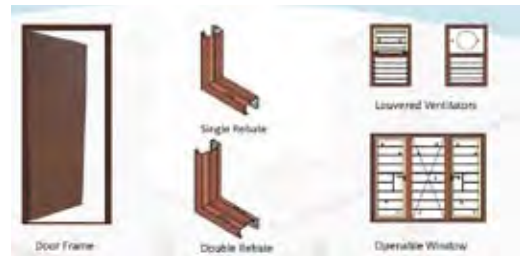
M/s B.G. Shirke Construction Technology Pvt. Ltd. Polynorm Door unit manufactures pressed steel door frames in collaboration with N.V. Nederlands Metall Industries Polynorm of Holland, a world leader in this field of pressed steel doors.

The steel flush door shutters, fire resistant doors, and safety doors have been developed after extensive research and continuous development.



SALIENT FEATURES

- Strong, Sturdy and long lasting.
- Non-corrosive, Termite free, No warping
- Aesthetical treatment& Maintenance free
- Non-hazardous & eco-friendly.
- Quality & durability.Long life - more than 20 years.
- Ease of Working – Door frames supplied in knock down condition and can be assembled at site by unskilled labour easily. Door shutters are transported and installed at site.
- Speed in construction – Doors are easily installed at site, Pre-fabricated to customised dimension & ready to install.
- Advantage over conventional material/ processes –
 - o Better quality,
 - o Longer life,
 - o Maintenance free,
 - o No warping, termite proof.
 - o Generates local employment,
 - o Sustainable,
 - o Light weight,
 - o Fire resistant.



POLYNORM DIVISION PRODUCTION SET UP



CNC- Press Brake



Vaccum Pickup



Honeycomb Paper Expander & Dryer



Energy saving projection welding machine



Pre treatment system with PLC based transporter



CNC Turret Punch Press



Automatic Powder Spraying System



LPG Fired Conveyrised Curing Oven



Plant Inside View

ECONOMIC ASPECTS

- As products are factory produced under strict quality control 100% interchangeability can be achieved due to dimensional control.
- Required minimum skilled/unskilled workers because of advanced technology of manufacturing is used. The assembly of door frames can be easily done by women labour also.

SUSTAINABILITY ASPECTS

- As an alternative to wood, steel is used in the manufacturing of these doors which eliminates cutting of trees and makes it a sustainable product.

SUITABILITY & AVAILABILITY

- The product is suitable for all type of housing, right from individual / scattered and low to high rise buildings.
- The door systems can be customised to variety of requirement.
- The doors are suitable for all climatic, and geographic regions.

LIMITATIONS, IF ANY

- As per Manufacturer's Specification.



MARKET LINKAGES

- The product is available for its use in all parts of our country.

MAJOR PROJECTS

- Various Residential, Commercial, Hospital, Airports, Malls and Educational Institutes.

CERTIFICATION/INDIAN STANDARD/ ENDORSEMENT

The product conforms to -

- IS 4351 – Steel door Frames - Specification
- IS 16074 – Steel flush door shutters - Specification
- IS 3614 (Part II) – Metallic & Non-Metallic Fire check Doors – Resistance Test and Performance Criteria

Testing done:

- ARAI Pune – 2 hrs. fire resistance test
- CBRI Roorkee – 2 hrs. fire resistance test
- College of Engineering, Pune – 1000 hrs. salt spray corrosion test
- Centre for Testing and Evaluation of Wood Composites, Bangalore – Steel flush door shutter tests as per IS: 4020.

