GRP Thermoset Composite Door Sets - Specification

Door Blank Components

- Facings: Skins minimum 2mm SMC GRP Thermoset pre- pigmented
- Sub frame: Top Rail 40mm x 60mm water resistant polymer
- Bottom Rails: 1 No. 40mm x 30mm and 1 No. 40mm x 60mm water resistant polymer
- Stiles (outer): 40mm x 60mm water resistant polymer
- Stiles (inner): 40mm x 20mm LVL
- Lock Block: 40mm x 30mm recycled finger jointed timber
- Core: C.F.C free Polyurethane foam (density) 0.05 g/cm3 or 50 kg/m3
- Overall Door Thickness: 44.5mm nominal

Door Blank Performance Characteristics

- U-Value of Solid Door Blank: Average 0.6 w/m2K (Ranging from 0.5 to 0.7 w/m2k across styles ofdoor blank)
- Sound Transmission Class (STC): 29db
- Outdoor-Indoor Transmission Class (OITC): 26db
- Proven to Pas 23 &24
- Q-marked product
- FD30 30 minute Fire Check Door blank also available with glazing options
- Global Warming Potential (GWP)score of less than 5
- Ozone Depletion Potential (ODP) score zero
- Must be available in the slab widths 762mm, 838mm & 914mm.
- Skins must be thermoset pre-pigmented GRP Skins with surface finish that will not expand or contract and offers highimpact resistance
- Water resistant polymer rails and stiles

Glazing Cassette System

- Must be available in all chosen styles
- Durable ABS material construction
- Must be available in snap fit design that eliminates unsightly plugs and screws
- 24mm sealed double glazed units to be fitted, (Note: the door manufacture must have an in-house facility to make their own units to accommodate any program requirements)
- Thru-coloured with surface finish matching the door blank
- Proven to PAS 23&24

Warranties and Accreditations

- 25 Year Structural Warranty on the door slab
- 10 Year Surface Warranty on both the door blank and cassette (from the same manufacturer)
- 10 Years Outer Frame
- 5 Years Lock and furniture
- Door fabricator must take full responsibility for CE marking of the complete product
- The door set must comply with SBD
- Door set manufacturer must provide DER data

Outer Frame Specification (Non FD30)

- 70 mm PVC composite door frame.
- Fully reinforced construction
- Part M and low threshold compliant, must be available.
- Min wall thickness – nominal 3mm

Hinges

- 3X adjustable hinges (supplied by Fulex)
- Full length aluminium hinge plates mist be fitted.

Lock

- Multi point locking system with aluminium wrap around full length plate (supplied by Fulex)

Furniture

Handles:

- Lever Lever white, chrome or brass handles.

Weather bar:

- Aluminium, white, chrome or brass handlesLetter plate

Knocker, Numerals, Door Chain and spy hole:

- White, chrome or brass.

Packaging

- Clear polythene wrapped and labelled.