

PVC Plastic Wrapped Door sets



Architectural Joinery Ltd



BryPlas™ PVC Wrapped Postformed Clean Doors

Overview

BryPlas™ is a range of high impact easily cleaned doors based on a uniform particleboard core or solid timber laminated core. They are available as 44mm FD30 & 54mm FD60, 90

& 120 minutes. The PVC is from Yeomanshield based on their standard colour range. BryPlas™ consists of a severe duty rated core as standard wrapped with PVC sheet normally with

Postformed edges (square edges are also available). The Test Evidence is based on fire burns to BS476 Part22 for BrySpan “Halspan” core tested in with PVC attached to it.

- **Easy Clean**
- **Chemical /Impact Resistant**
- **Low Maintenance**
- **Visually Pleasing**

Usage

These doors are particularly useful in areas requiring environments such as Hospitals & labs. The PVC has a resistance to impact & damage. The heat pressed PVC particularly resistant to scratches & surface abrasions. Additional sacrificial kick plates & mid plates can be added provide greater impact resistance to trolleys etc. Six well-standard colours are off the shelf, with the ability to manufacture to any colour at plus 4 weeks.

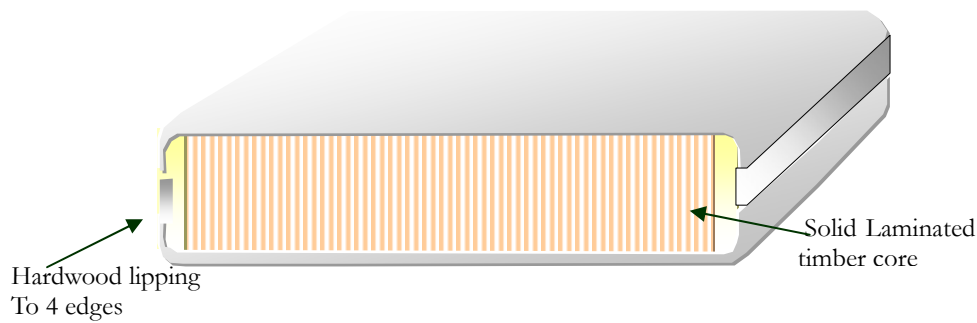


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Specifying

Postformed PVC doors and frames are more costly than standard sets due to their higher performance, it is therefore important to consider the correct applications to maximise existing budgets.

- Clean Areas needing a higher level of cleanliness than standard e.g Hospital Theatres, Laboratories
- High energy impact areas when front on impact is likely over continued periods (perhaps with addition sacrificial kick plates. e.g. main corridors in public buildings, M.O.D army barracks.
- Areas of high water content (with accompanying moisture resistant core specified) e.g. Swimming pool changing rooms
- Architectural design considerations – where a visual impact is required particularly in relation to smooth uniform flowing lines (with wrap around frame option)



Details

The BrySpan Fire Rated core the same 3 layer basic core (630 kgm³ density particleboard) lipped 4 edges in hardwood to match face. The long edges are post formed by a 6mm radius. A sheet per face is wrapped around the door overlapping the edges & the lippings..

Size variations

All sizes within scope of Certification of both cores are allowed typically FD30 1/2hr & FD60 Doors in this configuration 2080 x 926 as single leaf (with or without overpanels 2080 x 890/890 as double leaf (square meeting stiles) with or without overpanel.

Intumescent configurations

To cover the joint of the two halves of sheet & assist in addition fire cover all PVC wrapped doors have plain or brush intumescent to the long edges. The head is also intumesced



Frame details

The door can be supplied to fit in to existing frame section & therefore in fire rated scenarios would need to be fully intumesced.

The more normal supply would be to have a PVC wrapped frame as well to complement the door in either a matching colour or contrasting for DDA. The frame section need to be a minimum of 100 x 32 & can either have a loose supplied stop (which masks the frame fixing) or in a rebated section in one piece.

More expensive options are to have PVC wrapped architraves as well or to have a wrap around frame in two parts..

Alternatively a plasticised smooth painted frame can be supplied top reduce cost

Ironmongery



Providing the ironmongery is tested to BS476 part 22 most locks and ironmongery is allowed within our global assessment. We recommend specifying rounded forends to reduce pressure on corners. We recommend that Brystewood CNC routers any locks in the doors and that our unique EuroStrike™ is used for strike plates to prevent rattling. This makes allowance for variations encountered in quality of site fitting



L20 BryPlas™ PVC wrapped Doors

240MF PVC FACED TIMBER DOORSETS IN NEW FRAMES

- Manufacturer & Reference: Brystewood Architectural Joinery Ltd
Brackner Lane
Bilsthorpe
Nottinghamshire
NG22 8TU
01623 411415
- Core : BryPlas™ laminated core (serve duty rated)
- Facings : PVC wrapped in 2.0 thickness from Yeomansfield Falmouth finish colour TBA
- Lippings: Hardwood 8mm thick concealed plus 2mm pvc encapsulation top and bottom
- Frame : 100 x 44 softwood FD30 12mm rebate
- Vision panels : Plasticised white painted beads silicone sealed to glass
- Frame Finish: PVC wrapped see attached PDF docs
- Finish as delivered: PVC faced and lipped
- Moisture Content: Forced additional drying 6-12%
- Colours of PVC : Sno White Falmouth (light texture finish as sample)
- Radii : All based on 6mm radius of timber approx 8mm external PVC radius
- Acoustic rating : Selected areas 30db rw with threshold seals without as drawing assessed 28db
- Supply : Complete with radius forend locks fitted and varistrike™ fitted to frame for adjustability. All projecting ironmongery fitted by others on site
- Hinges : Prehung on Royde & Tucker H101 hinges radius forends
- Locks :
- Threshold Detail : Dropseal as required on doors over 28db(rw) : threshold details drawn individually by Client

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