L20 545 SLIDING STACKING PANEL PARTITIONS

* Project: St Minver Community Hub
* Location: Ground Floor
* Quantity: 2
* Drawing references:
* Manufacturer & product reference: **Dorma Hüppe Variflex 100 Moveable Wall.**
* Dorma approved supplier: Style South, Consort House, Princes Road, Ferndown, Dorset, BH22 9JG

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* Method of operation:Manually operated moveable wall system. Each element incorporates spring loaded top and bottom mechanical seals. Seals are operated by a removable handle and engaged by a winding scissor mechanism (not cam or other) to ensure optimum contact pressure. The Acoustic Seals are manufactured from aluminium with flexible rubber interlocking to maximise acoustic performance
* System final seal by Telescopic element (TE) The Telescopic element (TE) must maintain all the same quality and acoustic criteria as the standard elements and should be operated by a single mechanism for both top, bottom and lateral seals. Telescopic Lateral seal extension to be 120mm, for safe panel movement and to avoid finger trapping. To maintain optimum aesthetic appearance the wall, post opposite to the telescopic panel must be a maximum 80mm and finished to match the panel faces, Telescopic wall abutment or wall flaps not permitted due to acoustic compromise.
* Characteristics: Moveable wall comprising individual top hung full height elements of equal size, made to measure to suit site dimensions. When the wall is closed between fixed abutments, the appearance is a solid flush wall achieved by concealed interlocking concave and convex extruded aluminium edge profiles incorporating integral magnetic strips.
* Construction: Tri-block elements to be constructed of Aluminium-Steel complete with independent aluminium edge profiles, element thickness 100mm. The element frame must be clad either side with prefinished 16mm particle board cover panels, hung in acoustic isolation and allowed to vibrate independent of the element frame. The cover panels must be easily detachable without the need to remove the elements or frames from the head track.
* To comply with the site safety arrangements of the principal designer, element frames and cover panels must be distributed to the opening as individual items, then assembled in situ with frames suspended in track first. Excluding pass door leaf, the elements must not be manually handled or lifted in any way as a complete unit. Manufacturing processes are not undertaken on site.
* The head track is manufactured from extruded aluminium, with track junctions incorporating drop forged roller bearings. Track junctions should be easily removable from the underside without disruption to ceiling/bulkhead. Welded junctions and stacking track assemblies are not acceptable. Carriers to be fully adjustable, secured to the elements by horizontal ball bearings and with shock absorbing roller pins. Nylon rollers are not acceptable.
* **Clear Opening sizes:12000mm wide x 3500mm high and 7500mm wide x 3100mm high.**
* Ceiling void 150mm minimum
* Arrangement: Double point suspension moveable wall comprising no. elements (total) no. standard elements (VE) and closure by means of 1no telescopic element (TE)
* Acoustic insulation: A minimum of 55Rw (dB) – laboratory value weighted sound reduction determined as per EN10140 Results must be for a partition in an operable condition. An independent acoustic test certificate bearing the manufacturer’s name must be provided prior to procurement.
* Element weight: Not to exceed 48/kg per M²
* Element cover panels & wall post finishes: Standard Laminate from Dorma’s Classic Collection
* Classification of Wall Lining: European Standard EN 13501-1 Class D
* **Smoke Protection – Minimum requirement Smoke control standard to EN1634 -3**
* Track finish: Polyester powder coated to RAL 9010. White.
* Element edges K type - concealed edge profiles satin anodised aluminium/
* Parking position: PL2 – 10 double point.
* Fixing void/structure: Track fixed to structural steel beam/concrete slab, void depth (min.150mm), subject to approval from the structural engineer.
* **Sustainable construction**: The Product must have ISO14025 Environmental Product Declaration.
* **Health Product Declaration**: Classification 10 22 23.23 Dorma products comply with TUV-CE marking
* FSC Certification: The product must be manufactured by an FSC accredited manufacturer
* Full-service agreement with extended warranty options to be provided after installation.