

B CLASS SINGLE-LEAF INTERIOR DOOR OF TYPE LM50-D4-B15**> Single-hinged, non-watertight interior B class door**

- Clear opening dimension in the door frame, max. CO x CH / 1000 x 2102 mm, min. CO x CH 600 x 750 mm (VX), 600 x 1200 (TECTUS 526 3D), Reduction due to open door not considered, Larger dimensions n. MSC.1/Circ. 1319 possible
Max. CH: 2415mm, but the area of the leaf must not exceed 2.31m²
Max. CO: 1000mm (no wider option available)
- Total system weight for a door in CO x CH 800 x 2000 mm of approx. 70 kg/pc.
- Sound reduction index of 32 dB (door leaf w. HPL/HPL)
- Max. weight of the covering per door leaf not to exceed 15 kg/m² or 30 kg/leaf
- Door type LM50-D4-B15 with the following equipment:
 - Steel door frame for screw connection, available in five different geometry
 - Door leaf with white industrial HPL (~RAL 9016)
 - Door leaf with all-round frame with frame wrap (13mm) in stainless steel, brushed K240
 - Gap dimensions on all sides approx. 4mm
 - 3 pcs. Door hinges, consisting of 3D adjustable hinge holder and hinge of type Simonswerk VX7729/100 in stainless steel, brushed K240, hinge length 100mm
 - Coaming cover in brushed stainless steel K240
- Optional equipment:
 - Door frame and frame for door leaf painted in RAL or NCS color
 - Legs of door leaf frame in straight design (15-30mm) for subsequent covering of the leaf or in folded design (13mm) for decorative HPL
 - Alternative leaf edging with 2mm ABS edge (only for TECTUS 526 3D hinge in concealed version!)
 - Window with clear opening of max. 500x500mm (square) or Ø500mm (round) and window frame 60mm x 3mm in ground stainless steel K240 or polished 3D/2R
 - Cable transition for supplying electrical components installed in the door leaf, such as electric panic locks or motorized locks for access control
 - Folding lever handle with handle shell recessed into the door leaf, only possible on one side, in brushed stainless steel K240 or polished 3D/2R
 - Simonswerk VX7729/100 (straight) or VX7749/100 (cranked) door hinges in stainless steel, surface brushed K240 or 3D/2R polished, hinge length 100 mm or 3x Simonswerk TECTUS 526 3D each in concealed or recessed (8 mm above blade surface) version for subsequent covering of the slope side with max. 12 mm coating
 - Magnetic proximity switch type Bernstein MA08
 - Door leaf with Athmer Schall-ex L15/30 drop-down seal

> Door frame

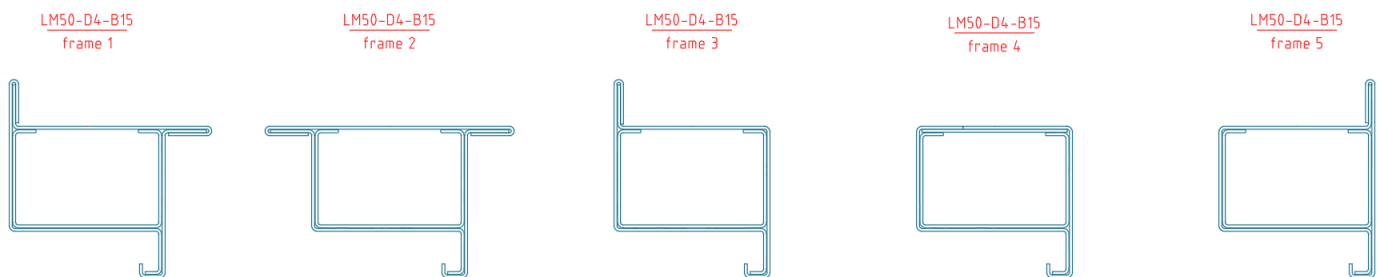
- Different frame types for installation on interior wall systems using screw connections
- Made of 2 layers of 1,25mm sheet steel with closed frame geometry
- Internal Dorma G96EMF slide channel (EMF unit optional)
- different coaming types (B and C), some with individual heights
- Frame surface painted in RAL or optional NCS color. Special paint finishes on request
- Flush striking plate in brushed stainless steel, K240 (optionally in polished 3D/2R)
- Casing cover in brushed stainless steel, K240 (optionally in polished 3D/2R)
- Door seal in various colors:
 - white ~RAL 9016, black ~RAL 9004, gray ~RAL 7035, beige ~RAL 1011, brown ~RAL 8024

> Door leaf

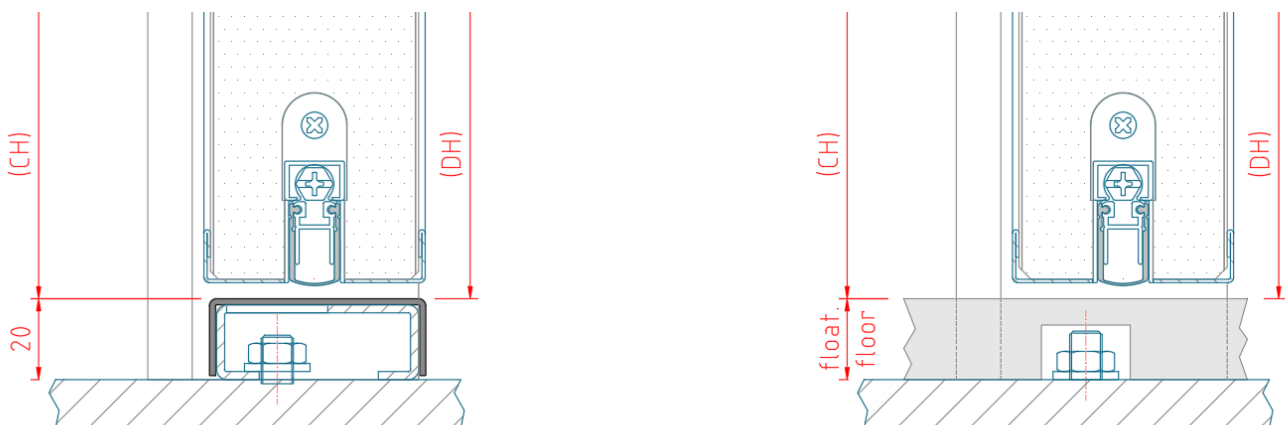
- Special leaf construction from Calcium silicate and two internal sound layers, covered both sides with industrial HPL in RAL 9016 to protect the leaf construction.
Optionally additionally with HPL according to specification (only IMO-certified!) or with decorative sheet or lacquered sheet in RAL or NCS color according to specification
- Leaf thickness ~52 mm when covered with decorative HPL or decorative sheet/lacquered sheet
- Internal door closer type Dorma ITS96 EN3-6 with gray closer arm.
Other surface finishes, lacquered or polished (blanc nickel) are optionally available.
- LETHE-72/65-PZ lock, backset 65mm, 235mm faceplate with "LETHE" imprint and crank latch in brushed stainless steel, K240 (optionally in polished 3D/2R)
- Perforation in the door leaf for lever handle and profile cylinder (PZ).
Lever handles, rosettes or escutcheons and locking cylinders are always optional
- Athmer Schall-ex L15/30 drop-down seal optionally available
Max. cladding weight not to exceed 15 kg/m² or 30 kg/leaf

STANDARD DOOR SECTIONS

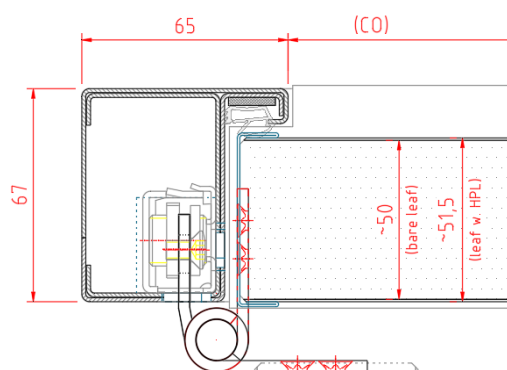
FRAME TYPES



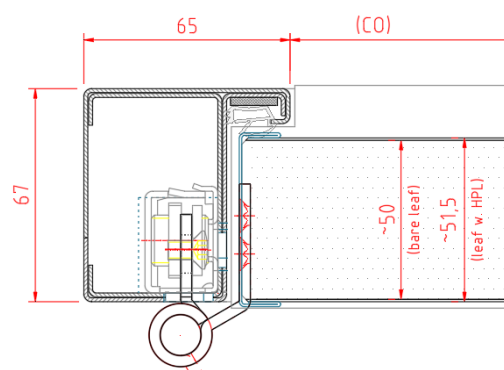
SILL TYPES



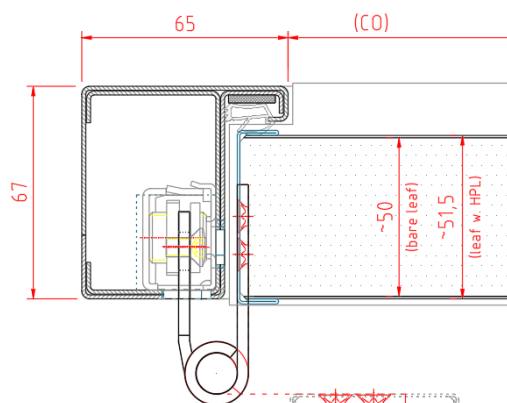
HINGE TYPES



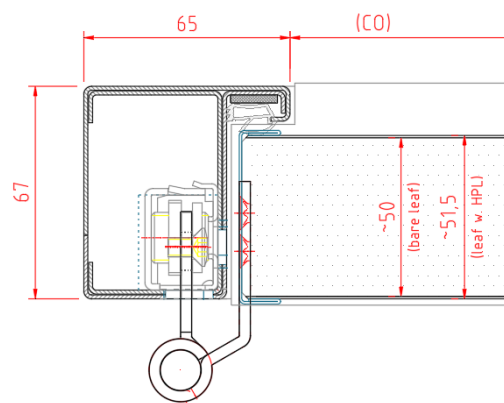
VX 7729 /100
flat



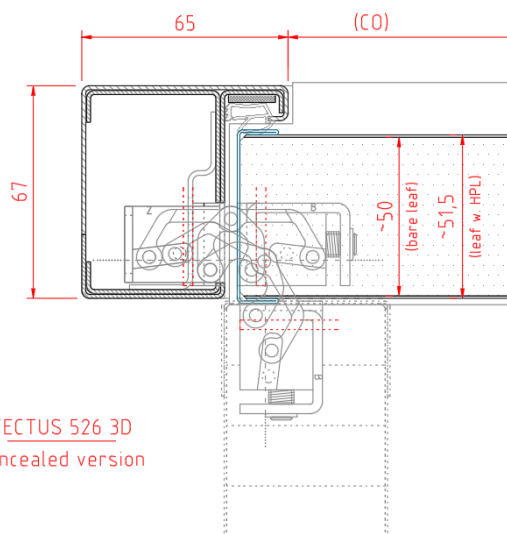
VX 7748 /100
cranked



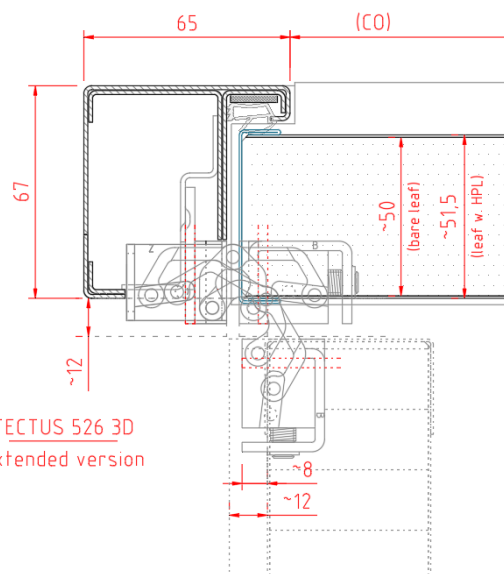
VX 7729 /100+8
flat & extended



VX 7748 /100+8
cranked & extended



TECTUS 526 3D
concealed version



TECTUS 526 3D
extended version

TECHNICAL DATA

Weight	Fire classification	Certificate no.	Max. dimension (COxCH)
~ 70 kg (CO x CH 800 x 2000)	B15	DMT-M23004-B	1000 x 2102 mm
Frame coatings	Leaf coatings	Option	
RAL / NCS	RAL / NCS HPL Veneer	- External door closer - Stainless steel accessories brushed or polished - Automatic door gasket of type "Athmer L15/30" - Concealed or visible hinges in standard length or extended - Window (rectangular) max 500x500mm, (round) max. 500mm, USCG max 645cm ² (~250x250mm, Ø 280mm)	
Leaf material		Noise reduction Rw [dB] Single gasket	
Promatect-L300 silicium carbonit		32	