PRODUCT ANATOMY SAS XP FRAME

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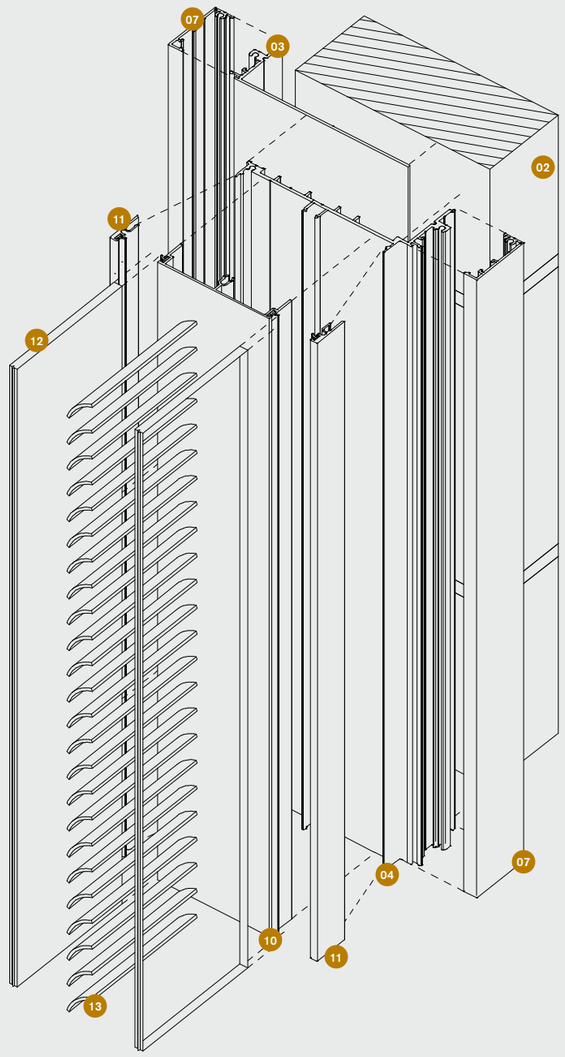
XP frames from SAS International is a range of expandable-depth aluminium door and window frames that can be installed into either plasterboard partitions or masonry walls between 74mm and 225mm thick. They are fully depth-adjustable, and are not reliant on set wall thicknesses or perfectly square openings. Both the door and window frames can provide up to 60 minutes' fire resistance.

All XP door and window frames are supplied as fully finished, pre-assembled kits for rapid on-site fitting. Door frames are supplied as door sets, complete with a SAS-veneered door and factory-fitted, non-protruding ironmongery. Window frames are supplied with the appropriately rated glass.

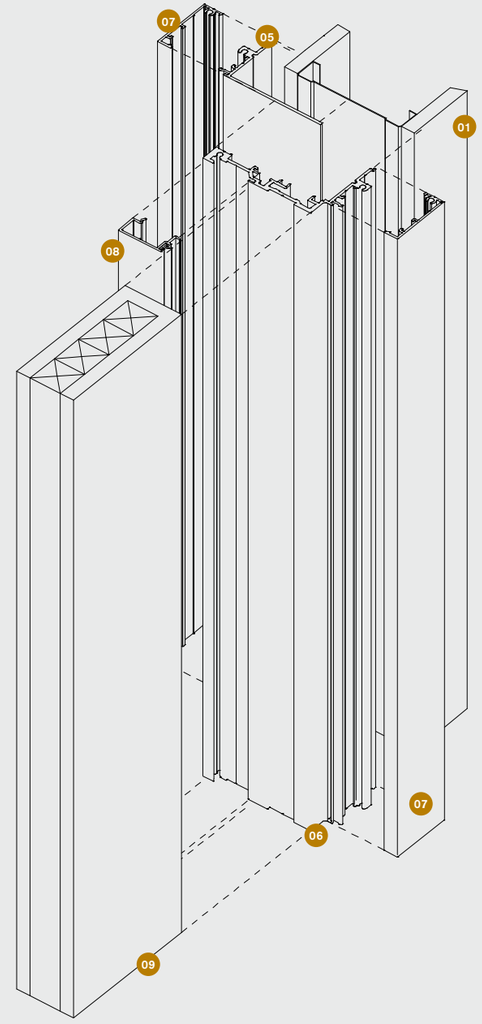
The frames can be rapidly installed within 20 minutes. When unpacked they separate into an inner and outer frame: the inner frame is fitted from one side of an opening, and the outer frame slides over, pulling tight against the other side. This eliminates tolerances or differences in wall construction methods. Once the two parts are fitted, architraves, door stops or glazing beads are clipped into place.

To meet the varying wall thicknesses, two different-sized frames are available with either rounded or square profiles: standard for wall thicknesses between 74mm and 123mm, and jumbo for wall thicknesses between 118mm and 225mm.

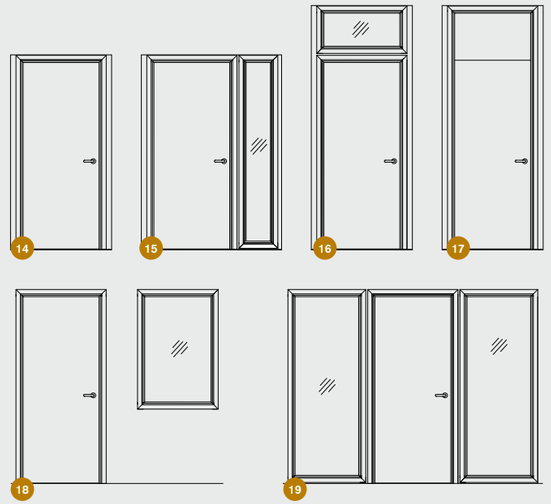
XP door frames suit both 44mm and 54mm standard and bespoke door leaf sizes and are available from stock to suit 2,040mm x 926mm leaves in RAL 9006 and RAL 9010. Bespoke door and window frames sizes or other RAL colours can be manufactured in approximately two weeks.



Exploded isometrics of SAS XP frame configuration with double glazed window and blockwork



Exploded isometrics of SAS XP frame configuration with door and gypsum board



1. Plasterboard partition, between 74mm and 225mm thick
2. Brickwork wall, between 74mm and 225mm thick
3. Aluminium inner window frame. Standard finish is polyester powder-coated smooth finish in either RAL 9010 (20 per cent gloss) or RAL 9006 (20 per cent gloss). Frames can be supplied in any RAL colour or alternatively with fine-textured finished (SAS FT) or anti-bacterial coating (SAS AB)
4. Aluminium outer window frame for single or double glazing, supplied as non-fire rated, 30-minute or 60-minute fire-rated
5. Aluminium inner door frame with square or radiused profiles
6. Aluminium outer door frame to suit 44mm and 54mm standard door. Door frames can be supplied as non-fire rated, 30-minute or 60-minute fire-rated
7. Aluminium clip-on architrave with square or radiused profiles
8. Aluminium clip-on door stop with square or radiused profiles
9. Door, 44mm and 54mm thick. Range of door facings includes natural wood veneers, FSC/PEFC approved veneers and high-pressure laminates. Bespoke doors available with full range of veneers, finished with three-coat UV stable clear lacquer. Doors can be supplied with vision panels, both non-fire and fire-rated including DDA/Part M-compliant styles
10. Double-glazing channel
11. Double-glazing bead
12. Glass. Available in a range of thicknesses. Single-glazed windows can provide up to 38dB acoustic attenuation. Double-glazed windows can provide up to 43dB, subject to frame thickness
13. Integral Venetian blinds. Turn knob fitted to frame or structure provides tilt control
14. Door frame only
15. Door frame with full-height window to side
16. Door frame with window over
17. Full-height door frame with door over panel
18. Door frame with window to side
19. Door frame with full-height windows