

# Communal Entrance Door and Door Entry System Specification

Kingsway Gardens, Andover.

## Specification

### Communal Door Specification:

- Smart Architectural Aluminium Shopline System including door – or Similar specification.  
*Product data sheet provided at appendix 1.*
- Non-Thermally Broken.
- RAL Brown Matt INT & EXT.
- 28mm glazed units (top)
- Solid core panels (bottom).
- Suited Key/thumb turn.
- Pad Handles in & out.
- Low Threshold.
- Electric Strike.
- Soft closer

*This specification is applicable to all communal doors and blocks at this site.*

### Door Entry System Specification:

Where panels are to be renewed, Videx VR120 series – spec attached. *Product data sheet provided at appendix 2.*

### Block 1-4 Stuart Court

The supply and installation of the following equipment:

- 1No. 521B Power Supply Unit
- 1No. 701T Timeclock
- Cables, Fixtures and Fittings

### Block 5-12 Stuart Court

The supply and installation of the following equipment:

- 1No. 78E/S/SPECIAL/136 – 9-way Stainless Steel VR Panel (120mm W x 400mm H)
- 8No. 3112 Telephone Handset with Mute
- 1No. 521B Power Supply Unit
- 1No. 701T Timeclock
- Cables, Fixtures and Fittings

### Block 21-24 Stuart Court and Block 1-4 Tudor Court (One System)

The supply and installation of the following equipment:

- 1No. 78E/S/SPECIAL/136 – 9-way Stainless Steel VR Panel (210mm W x 360mm H)
- 8No. 3112 Telephone Handset with Mute
- 1No. 521B Power Supply Unit
- 1No. 701T Timeclock
- Cables, Fixtures and Fittings

#### Block 5-12 Tudor Court

The supply and installation of the following equipment:

- 1No. 78E/S/SPECIAL/136 – 9-way Stainless Steel VR Panel (120mm W x 400mm H)
- 8No. 3112 Telephone Handset with Mute
- 1No. 521B Power Supply Unit
- 1No. 701T Timeclock
- 1No. CAB2/PRE Cabinet Enclosure to house PSU and Timeclock
- Cables, Fixtures and Fittings

#### Block 1-4 York Court and Block 21-24 Tudor Court (One System)

The supply and installation of the following equipment:

- 1No. 78E/S/SPECIAL/136 – 9-way Stainless Steel VR Panel (120mm W x 400mm H)
- 8No. 3112 Telephone Handset with Mute
- 1No. 521B Power Supply Unit
- 1No. 701T Timeclock
- Cables, Fixtures and Fittings

#### Block 5-12 York Court

For the supply and installation of the following equipment:

- 1No. 78E/S/SPECIAL/136 – 9-way Stainless Steel VR Panel (210mm W x 360mm H)
- 8No. 3112 Telephone Handset with Mute
- 1No. 521B Power Supply Unit
- 1No. 701 Timeclock
- 1No. CAB2/PRE Cabinet Enclosure to house PSU and Timeclock
- Cables, Fixtures and Fittings

#### Block 13-20 York Court

The supply and installation of the following equipment:

- 1No. 78E/S/SPECIAL/136 – 9-way Stainless Steel VR Panel (210mm W x 360mm H)
- 8No. 3112 Telephone Handset with Mute
- 1No. 701T Timeclock
- Cables, Fixtures and Fittings

#### Block 21-28 York Court

The supply and installation of the following equipment:

- 1No. 78E/S/SPECIAL/136 – 9-way Stainless Steel VR Panel (210mm W x 360mm H)
- 8No. 3112 Telephone Handset with Mute
- 1No. 521B Power Supply Unit

- 1No. 701T Timeclock
- 1No. CAB2/PRE Cabinet Enclosure to house PSU and Timeclock
- Cables, Fixtures and Fittings

#### Block 29-32 York Court

The supply and installation of the following equipment:

- 1No. 78E/S/SPECIAL/136 – 5-way Stainless Steel VR Panel (120mm W x 300mm H)
- 4No. 3112 Telephone Handset with Mute
- 1No. 521B Power Supply Unit
- 1No. 701T Timeclock
- 1No. CAB2/PRE Cabinet Enclosure to house PSU and Timeclock
- Cables, Fixtures and Fittings

#### Block 1-4 Saxon Court

The supply and installation of the following equipment:

- 1No. 78E/S/SPECIAL/136 – 5-way Stainless Steel VR Panel (120mm W x 340mm H)
- 4No. 3112 Telephone Handset with Mute
- 1No. 521B Power Supply Unit
- 1No. 701T Timeclock
- 1No. CAB2/PRE Cabinet Enclosure to house PSU and Timeclock
- Cables, Fixtures and Fittings

#### Block 5-12 Saxon Court

The supply and installation of the following equipment:

- 1No. 78E/S/SPECIAL/136 – 9-way Stainless Steel VR Panel (120mm W x 400mm H)
- 8No. 3112 Telephone Handset with Mute
- 1No. 521B Power Supply Unit
- 1No. 701T Timeclock
- Cables, Fixtures and Fittings

#### Block 13-20 Saxon Court

The supply and installation of the following equipment:

- 1No. VR120/136-9 – 9-Way Stainless Steel VR Panel
- 1No. VRSB120x280 Surface Housing
- 8No. 3112 Telephone Handset with Mute
- 1No. 521B Power Supply Unit
- 1No. 701T Timeclock
- 1No. CAB2/PRE Cabinet Enclosure to house PSU and Timeclock

#### Block 21-28 Saxon Court

The supply and installation of the following equipment:

- 1No. 78E/S/SPECIAL/136 – 9-way Stainless Steel VR Panel (120mm W x 400mm H)
- 8No. 3112 Telephone Handsets with Mute
- 1No. 521B Power Supply Unit
- 1No. 701T Timeclock
- Cables, Fixtures and Fittings

#### Block 29-36 Saxon Court

The supply and installation of the following equipment:

- 1No. 78E/S/SPECIAL/136 – 9-way Stainless Steel VR Panel (120mm W x 400mm H)
- 8No. 3112 Telephone Handset with Mute
- 1No. 521B Power Supply Unit
- 1No. 701T Timeclock
- 1No. CAB2/PRE Cabinet Enclosure to house PSU and Timeclock
- Cables, Fixtures and Fittings

#### Block 37-40 Saxon Court

The supply and installation of the following equipment:

- 1No. 78E/S/SPECIAL/136 – 5-way Stainless Steel VR Panel (120mm W x 340mm H)
- 4No. 3112 Telephone Handset with Mute
- 1No. 521B Power Supply
- 1No. 701T Timeclock
- 1No. CAB2/PRE Cabinet Enclosure to house PSU and Timeclock
- Cables, Fixtures and Fittings

The following blocks are not included in any upgrade works because the existing systems are believed to already meet the requirements:

- Block 13-20 Stuart Court
- Block 13-20 Tudor Court
- Blocks 29-32 & 44-47 Athol Court
- Blocks 25-28 & 40-43 Athol Court
- Blocks 21-24 & 36-39 Athol Court

## Appendix 1





**smart**  
architectural aluminium

## Shopleveline

Shopleveline is a non-thermal aluminium screen and door system for commercial and retail applications.:

- Comprehensive range of profiles sections available
- Designed to be robust and durable in high traffic areas
- Doors offer swing, rebated, auto swing and auto slide options

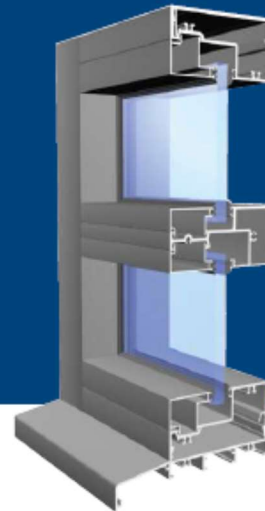




## COMMERCIAL SCREENING SYSTEM

Shopline is an economical aluminium screening system for commercial applications.

With one of the most comprehensive range of profiles available, Smart's Shopline is an established and proven screening system. The system is designed to comply with the demands of architects, local authorities and property managers for commercial projects around the UK. Shopline doors are designed to integrate with the Shopline screen, providing an ideal solution for high traffic commercial entrances, such as schools and hospitals.



### Commercial Screens

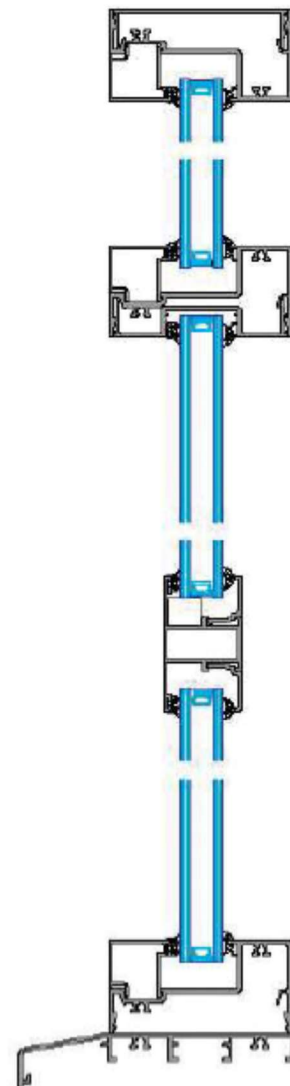
Shopline is a modular screening solution, combining the benefits of off-site manufacture with on-site assembly. Screen modules are constructed offsite from square cut profiles joined using self tapping screws. These modules can then be rapidly assembled onsite, intuitively clipping together the mullions to form one continuous screen. This rapid assembly method offers an economical solution for low rise screening with slim sightlines of 50mm. Designed for the UK climate, all fixings on the screen are manufactured from corrosion resistant material to provide protection from both atmospheric and electrolytic degradation. The system offers drainage trays, ensuring the screens performance in all weathers.

### Glazing

Shopline is a modular screening solution, combining the benefits of off-site manufacture with on-site assembly. Screen modules are constructed offsite from square cut profiles joined using self tapping screws. These modules can then be rapidly assembled onsite, intuitively clipping together the mullions to form one continuous screen. This rapid assembly method offers an economical solution for low rise screening with slim sightlines of 50mm. Designed for the UK climate, all fixings on the screen are manufactured from corrosion resistant material to provide protection from both atmospheric and electrolytic degradation. The system offers drainage trays, ensuring the screens performance in all weathers.

### Finish

Shopline profile can be supplied Polyester power coated which is ideally suited to demands of commercial applications. Painted to BS 6496 including Qualicoat standards, Shopline profiles are typically painted to 60 microns which complies with the requirements necessary to achieve a 25 year guarantee and ensures the quality and longevity of the Shopline screen system.

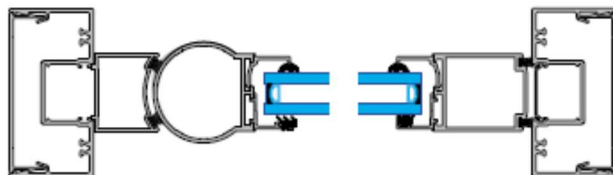


## Commercial Doors

The Shopline screening suite integrates a range of commercial entrance doors. Exceedingly versatile in application and scope, the Shopline system includes solutions for single and double commercial doors. Swing doors with concealed overhead closers, rebated doors and automated swing/sliding doors can all be manufactured with Shopline.

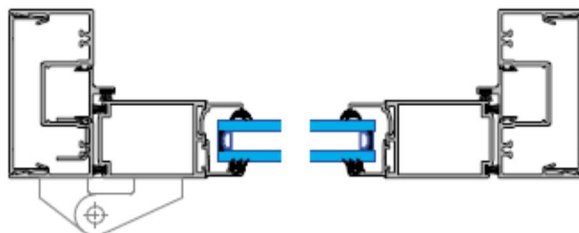
### Swing Doors

Shopline swing doors utilise the Adams Rite ARC-51 Overhead transom concealed door closer in a range of strengths for doors up to 1100mm width and 2500mm in height. A range of floor/threshold pivots is available for use with the overhead closer for door weights up to 110kgs. When wider doors are required, contact Smart's Technical Department for guidance.



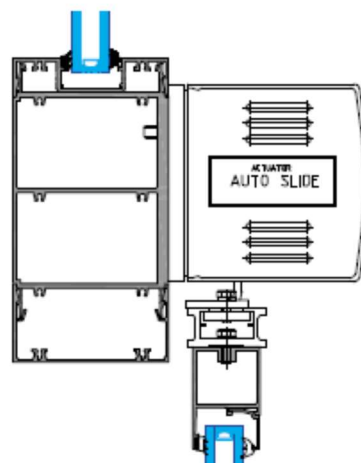
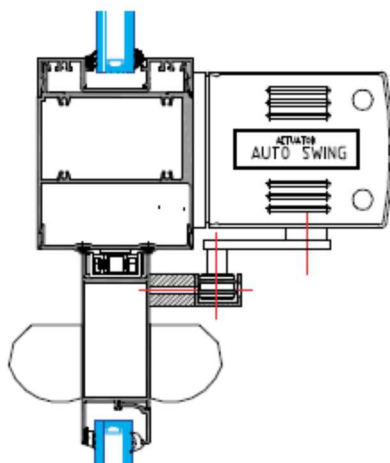
### Rebated Doors

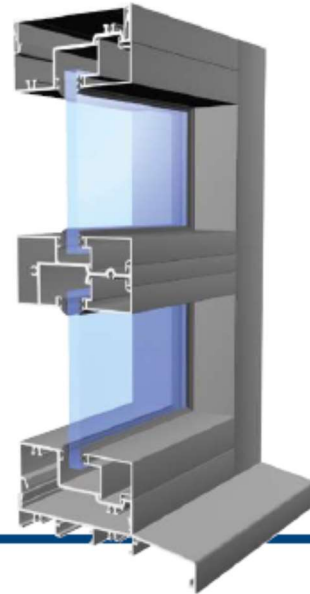
Rebated doors are face mounted on flag hinges with the option of a face mounted door closer. The system benefits from an increased opening angle of 180 degrees and is ideal for more exposed locations with the extra weather protection offered by the additional rebate.



### Auto Swing/Auto Sliding

For main commercial entrance doors Shopline is designed to provide automated swing opening using electrical sensors and actuators to operate swinging, sliding, and telescopic doors. Shopline offers profiles with a range of suited reinforced sections developed to securely mount a range of door automated actuators from different hardware suppliers, including Besam.





## Shopline Secure and Durable

The doors are specifically developed for heavy duty applications such as schools and hospitals. Shopline doors are easy to manufacture, using mechanical corner brackets instead of traditionally welded corners. The mechanical fixing is not affected by HAZ degradation experienced on welded joints. This method of fabrication creates an exceptionally strong and durable door with a quality and consistency of joint not possible with welded construction.

## DDA & Document M

A range of options is available that enable compliance with DDA & Document M legislation including low threshold and anti-finger trap sections.

Building regulations on opening widths require that all doors in both domestic and commercial applications feature a minimum clear opening to enable persons of reduced mobility to manoeuvre through a building. Further guidance on these requirements can be obtained from the 'Smart Guide to Document M', available to download from [www.smartsystems.co.uk](http://www.smartsystems.co.uk), or in hard copy by request.

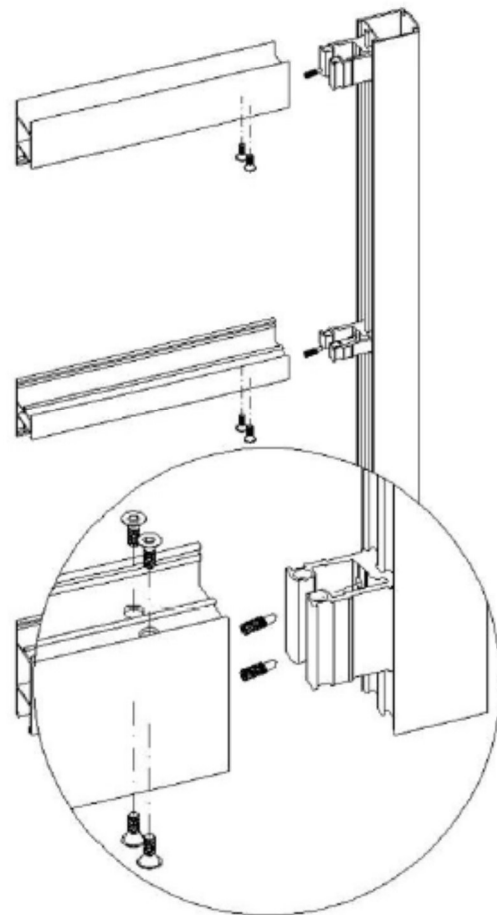
For further advice please contact the Smart's Technical Department.

## Profiles

All profiles are extruded from aluminium alloy 6063 T6 and comply with the recommendations of BS 1474.

Sections are pre-treated and finished:

- Anodised AA25 to BS 3987 in a natural self colour and other agreed colours
- Polyester powder organic coating to BS 6496 in white high gloss
- Polyester powder organic coating to BS 6496 in agreed colours, matt or gloss finish



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IMS0175H.201504

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## Appendix 2

# VANDAL RESISTANT ENTRY PANELS

## VR120 SERIES



### VR120 SERIES

IP55 rated VR120  
series door entry  
panels designed  
to meet DDA  
requirements.

Secured by Design



Official Police Security Initiative

The VR120 door panels (all 120mm wide) have CALL PROGRESS LED's for "SPEAK", "DOOR OPEN" and "BUSY" along with distinct audio reassurance tones to assist the visitor. Buttons are IP65 rated with the option of a yellow bezel offering a high contrast to the fascia for DDA requirements. The panels are 316 grade stainless steel, IP55 rated and available in stainless steel or VRP coated black finishes.

All face plates include 6mm high engraved characters to identify each button. Optional colours for specific applications can be specified along with custom logos and additional text.

The VR120 face plates are attached to their back box with either 4 or 6 anti-vandal fixings depending on panel size and options. All panels are fitted with a purpose manufactured neoprene seal to prevent the ingress of dust and liquid.

Audio amplifiers and microphones are protected with a fine offset stainless steel mesh to protect against vandalism. All speakers have mylar cones to further protect against the effects of moisture.

Full control of volume levels to the amplifier and the telephones can be adjusted independently at the amplifier module, as can additional features including speech time, lock release time, reassurance volume etc.

Flush boxes are standard. Bezel flush boxes and surface with rain shield are also available across the range. Panels and back boxes can also be designed to specific dimensions.



[www.videxuk.com](http://www.videxuk.com)



# PANEL SIZES (Part No: VR120/136-n or VR120/138-n, where n = number of buttons)

Type Buttons	Audio	Video	Audio & Prox	Video & Prox	Audio & Cardlock	Video & Cardlock
1	120x220	130x280	130x280	130x400	130x280	130x400
2	120x220	130x280	130x280	130x400	130x280	130x400
3	120x220	130x280	130x280	130x400	130x280	130x400
4	120x220	130x280	130x280	130x400	130x280	130x400
5	120x220	130x280	130x280	130x400	130x280	130x400
6	120x220	130x280	130x280	130x400	130x280	130x400
7	120x220	130x280	130x280	130x400	130x280	130x400
8	120x220	130x280	130x280	130x400	130x280	130x400
9	120x220	130x280	130x280	130x400	130x280	130x400
10	120x220	130x280	130x280	130x400	130x280	130x400
11	120x220	130x280	130x280	130x400	130x280	130x400
12	120x220	130x280	130x280	130x400	130x280	130x400



## BACK BOX SIZES (where pn = part number)

Panel size Box	120x220	120x240	120x400	120x500
flush	100x200x50 pn: VBSF120220	100x220x50 pn: VBSF120240	100x380x50 pn: VBSF120400	100x480x50 pn: VBSF120500
flush bezel	model: 1570237 size: 120x220x50 pn: VBSF120220	model: 1570237 size: 120x240x50 pn: VBSF120240	model: 1570237 size: 120x400x50 pn: VBSF120400	model: 1570237 size: 120x500x50 pn: VBSF120500
surface	120x220x80 pn: VBSF120220	120x240x80 pn: VBSF120240	120x400x80 pn: VBSF120400	120x500x80 pn: VBSF120500

## PANEL ADDITIONS

Description	Code
Add colour wide angle (180°) camera with day/night control and illumination	VR04250
Add Wiegand proximity reader with reassurance LCO's and tones	VRPP
Add Vprox proximity reader with reassurance LCO's and tones	VRVP
Add PWC proximity reader	VRPAC
Add proximity reader cut out for third party 40mm x 40mm readers	VRPH
Add 2 code 2 relay keypad (codes from 4-8 digits)	VRCL1
Add 100 code 2 relay keypad (codes from 4-8 digits)	VRCL100
Add induction coil for users with hearing aids	VRHO
Add LCO display and voice announcement call progress information (beam amp only)	VRCPH
Upgrade buttons to type with yellow bezel	VRSSB/Y Upgrade
Additional engraving and logos	ERE
Add an engraved logo	LOGO
Include VPP black coating to panels and backboxes	VRP COATED
Add finger print reader (Wiegand output)	VR/CMR10-C
Add CM proximity reader (Wiegand output)	VR/CMTRK-M-E
Add Mifare proximity reader (Wiegand output)	VR/CMTRK-MF-E
Add back lit keypad (Wiegand output)	VR/CMTRK-M-E

Additional panel options available across the entire VR120 series.



(all dimensions shown in mm)



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