

# INNOVATIVE & TRADITIONAL



## CROWN RESIDENTIAL DOOR

The Traditional Door



By  Hydro

 High Performance & Sustainable







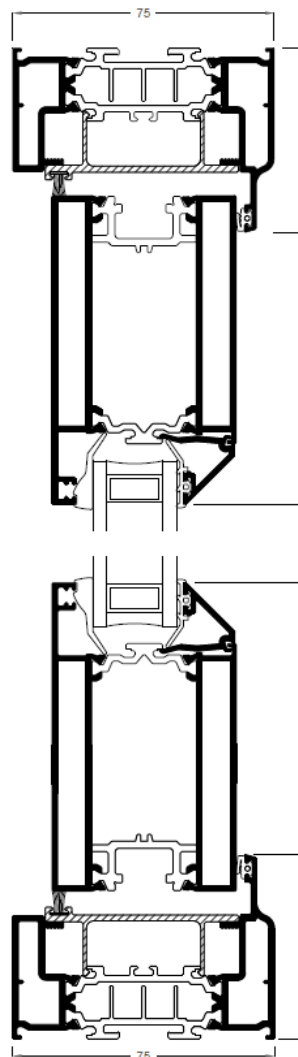
# CROWN

## / RESIDENTIAL DOOR

The Crown Residential Door, available in both single and double opening, has been designed to suit all applications including 'front' and 'back' door options. The sleek sightlines provide clean aesthetics without compromising performance and strength.

### STYLISH ELEGANT RESIDENTIAL DOOR

- Traditional design with slim sight lines to replicate timber doors
- Square cut rails and stiles
- Can achieve a  $U_d$  of 1.5 W/m<sup>2</sup>K
- Virtually maintenance free
- Dual colour available
- Outer frames use Si technology for improved thermal performance
- Dualsecure locking system for peace of mind
- Available with PAS24 Security
- Compatible with Crown window suite



# CROWN RESIDENTIAL DOOR

/ DESIGNED FOR EASE

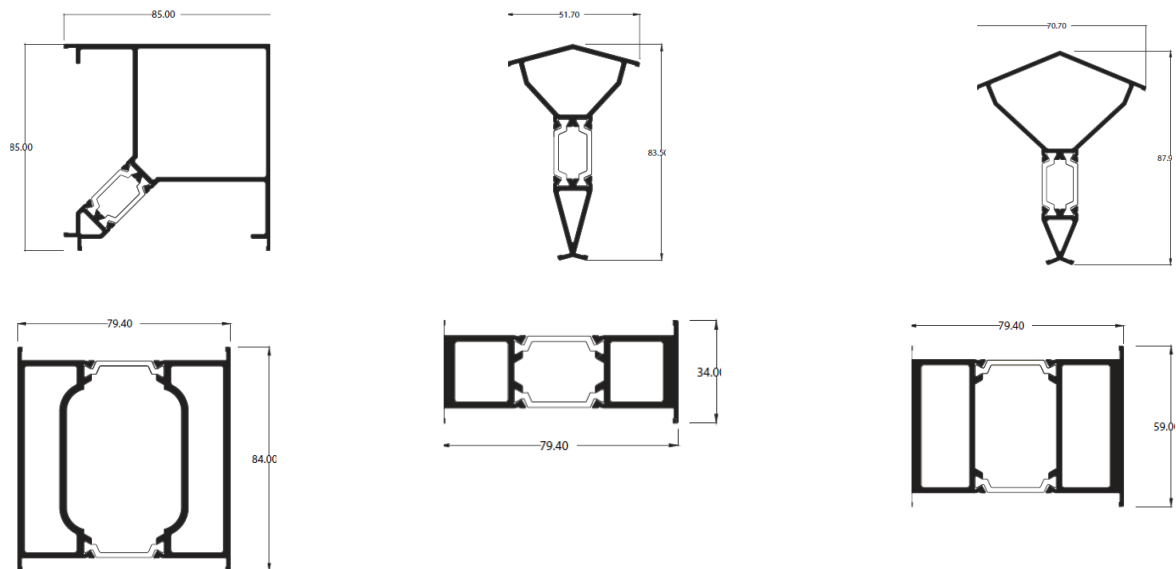
THE CROWN RESIDENTIAL DOOR IS SUITABLE FOR ALL PROJECT TYPES, PROVIDING A PERFECTLY ADAPTABLE DOOR FOR YOUR CUSTOMERS REQUIREMENTS.

- Part L compliant
- Door can be glazed from either inside or outside for flexibility
- Adjustable hinges
- Concealed fixings and corner jointing
- Extruded corner bracket for ease of fabrication and strength
- Available with standard, low or rebated low threshold
- Door can accommodate glazing units of either 24mm or 28mm
- Trim plates to conceal preps and fixings for improved aesthetics to both the door and the outer frame
- Square and sloped beading options to complement Crown Casement windows
- Full range of colour options
- Suited hardware available

## VERSATILE INTEGRATED DOOR

The Crown Residential Door can be used independently, but can also be combined using Universal Frame coupler profiles, with our other 75mm systems.

This makes the door compatible with other Technal 75mm systems for the creation of façades, screens or side lights.





# CROWN RESIDENTIAL DOOR

/ SIMPLE AND SECURE SECURITY AT THE HEART OF THE DOOR

DELIVERING PEACE OF MIND WITH SECURITY ABOVE AND BEYOND THE EXPECTED.

## HINGES

The Crown Residential Door also features a robust bespoke hinge, providing high security, minimal intrusion and an integrated hinge bolt, offering increased resistance to forced entry. The hinge boasts unique functionality allowing full adjustment of the door during installation, ensuring correct alignment of door and frame.

## LOCKING

Security is integral within the Crown Residential Door and high performance, multipoint hook locks are fitted as standard. All double doors are fitted with integral shoot bolts.

## PATENTED LOCKING TO PAS24

The door is available to PAS24 specification utilising our unique 'Dualsecure' locking, which adds the benefit of a 5 Lever security "lock out" function, to deadlock the lock independently of the cylinder. This additional feature restricts the movement of all locking parts and provides exceptional levels of security. To ensure easy egress in case of emergency, such as fire, we provide this deadlock function with an easy to use thumbturn option on the inside. This reduces the need to keep additional keys and exit can be made quickly and safely. To improve weathering, the outside escutcheon for the deadlock has an ingenious internal shutter system, which restricts air flow.

## STRENGTH THROUGHOUT

The inherent strength of aluminium, combined with our Dualsecure system, provides a truly strong door.

New three chamber profile design and construction methods, deliver increased strength and performance to the new Crown Residential Door.

Coupled with the new security hinge and the proven Dualsecure locking systems, the Crown Residential Door provides a perfect solution.



Official Police Security Initiative



FM 01154







# CROWN RESIDENTIAL DOOR

/ SUITED TO COMPLEMENT

Silver



Matt black powder coated



Gold



Pure white powder coated



Polished chrome

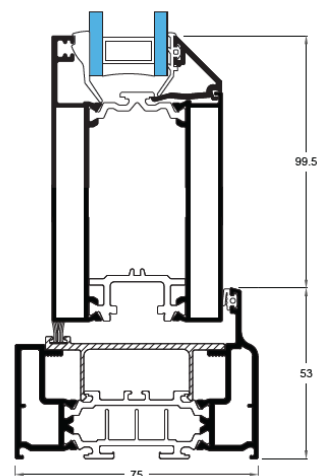


Polished gold



## SPECIFICATION

		MIN	MAX
SINGLE DOORS	STANDARD THRESHOLD	600mm x 1879mm	1074mm x 2230mm
	LOW THRESHOLD	600mm x 1865mm	1074mm x 2216mm
	REBATED LOW THRESHOLD	600mm x 1863mm	1074mm x 2214mm
DOUBLE DOORS	STANDARD THRESHOLD	1133mm x 1879mm	2072mm x 2230mm
	LOW THRESHOLD	1133mm x 1865mm	2072mm x 2216mm
	REBATED LOW THRESHOLD	1133mm x 1863mm	2072mm x 2214mm



		AIR PERMEABILITY	WATER TIGHTNESS	WIND RESISTANCE
SINGLE DOORS	STANDARD THRESHOLD	CLASS 3	CLASS 3A	CLASS 3 (1200 PA)
	LOW/REBATED LOW THRESHOLD	CLASS 3	CLASS 6A / 4A	CLASS 3 (1200 PA)
DOUBLE DOORS	STANDARD THRESHOLD	CLASS 2	CLASS 4A	CLASS 3 (1200 PA)
	LOW/REBATED LOW THRESHOLD	N/A / CLASS 2	N/A / CLASS 2A	N/A / CLASS 3 (1200 PA)

ALL DOORS	MAXIMUM VENT WEIGHT	120KG
	GLAZING THICKNESS	24MM OR 28MM

\*\* Exposure category varies with width/height of door and mullion/transom used, as these are the only unsupported members. An accurate figure can be obtained using BS6399:Part 2 calculations.



# CROWN DOOR

## / COMMITMENT TO SUSTAINABILITY

TECHNAL demonstrates its strong commitment to the environment in all areas: by using recycled and low-carbon materials, with a product design that is adapted to a circular economy, and produced within a responsible supply chain. In addition, these statements are certified by external organisations to ensure maximum transparency.

### HYDRO CIRCAL®

We are demonstrating our focus on sustainability by using Hydro CIRCAL® for our system solutions, one of the most sustainable aluminium alloys in our sector. Hydro CIRCAL® is a range of prime quality aluminium made with a minimum of 75% recycled end-of-life aluminium (post-consumer scrap). The production process is verified by an independent third party (DNV-GL), and confirmed by an EPD (Environmental Product Declaration). Hydro CIRCAL® also has **one of the smallest CO<sub>2</sub> footprint worldwide: 1.9 kg CO<sub>2</sub> per kilo of aluminium** – 4.5 times less than the world global primary average.



# 75%

**RECYCLED  
POST  
CONSUMER**

Hydro CIRCAL® is the world's first certified recycled aluminium which means that at least 75% of the prime-quality aluminium alloy comes from post-consumer materials.



# 95%

**ENERGY  
SAVED**

By recycling post-consumer scrap aluminium, the remelting process saves up to 95% of energy that would normally be spent and maintain the same high quality as primary aluminium.



# 85%

**REDUCTION  
OF CO<sub>2</sub>  
EMISSIONS**

The consequence of using Hydro CIRCAL® is the drastic reduction in CO<sub>2</sub> emissions which sums more than 85% when compared with the global average for primary aluminium production.



IMAGINE WHAT'S NEXT

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