

INNOVATIVE AND TRADITIONAL

CROWN RESIDENTIAL WINDOW

The Flush Vent Casement



By  Hydro

 High Performance & Sustainable



CROWN CASEMENT

/ FLUSH VENT SUITE

The Crown Flush Window Suite from Technal gives you the options to help make the right choices for both you and your customer. Building on the strengths of the existing Crown Window range, the new flush window offer is designed to address the key elements in any customer decision process and give you the best solution.

Windows with a consistent unbroken external appearance, have come to be known as 'Flush'. Associated with clean lines, flush windows have always been popular and have now a contemporary resonance with the discerning modern home owner.

The Technal Crown Flush Window suite brings the same clean lines in long lasting Aluminium. The Crown modular approach in engineering this window, is designed to deliver both aesthetic and performance options.

A significant investment in any home, the Crown Flush Suite gives greater flexibility in choosing the right windows and without compromise.

EXTERNAL STYLE

Externally Crown Flush windows offer two discreet styles.

- Traditional Flush: providing a uniform and consistent exterior face, incorporating the shaped mullion and transoms of the original flush window
- Slim Flush: Presenting on a single flat plane but without the mullion transom profile dividing the windows, reducing sightlines, and increasing light penetration

INTERNAL TASTE

Recognising that the Window appearance, from the inside is as important as the outside, we have multiple internal profile variations from which to choose.

- Softline: A traditional internal frame profile and vent beading
- Square: Simple square frame profile and vent headers presenting a more contemporary look

This option is enhanced by the ability to offer stepped or internal flush framing.

FUNCTIONALITY

As an extension to the Crown window the Flush Vent is available in 75mm frame depths. Opening lights are hung on concealed, stainless steel variable geometry friction hinges.

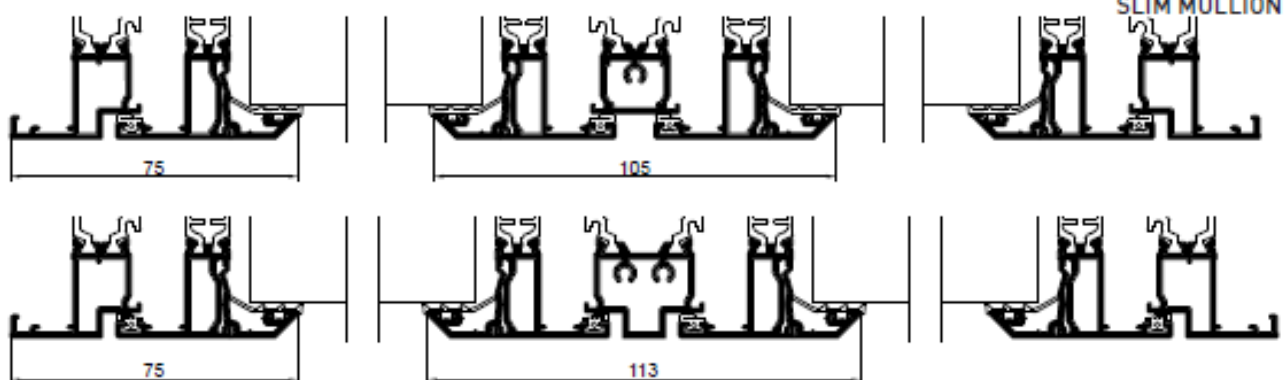
The Espagnolette multi point locking system is constructed with stainless steel shoot rods, and zinc plated die cast keeps.

The window can accommodate Insulating glass units of 24mm and 28mm thickness.

FLEXIBILITY

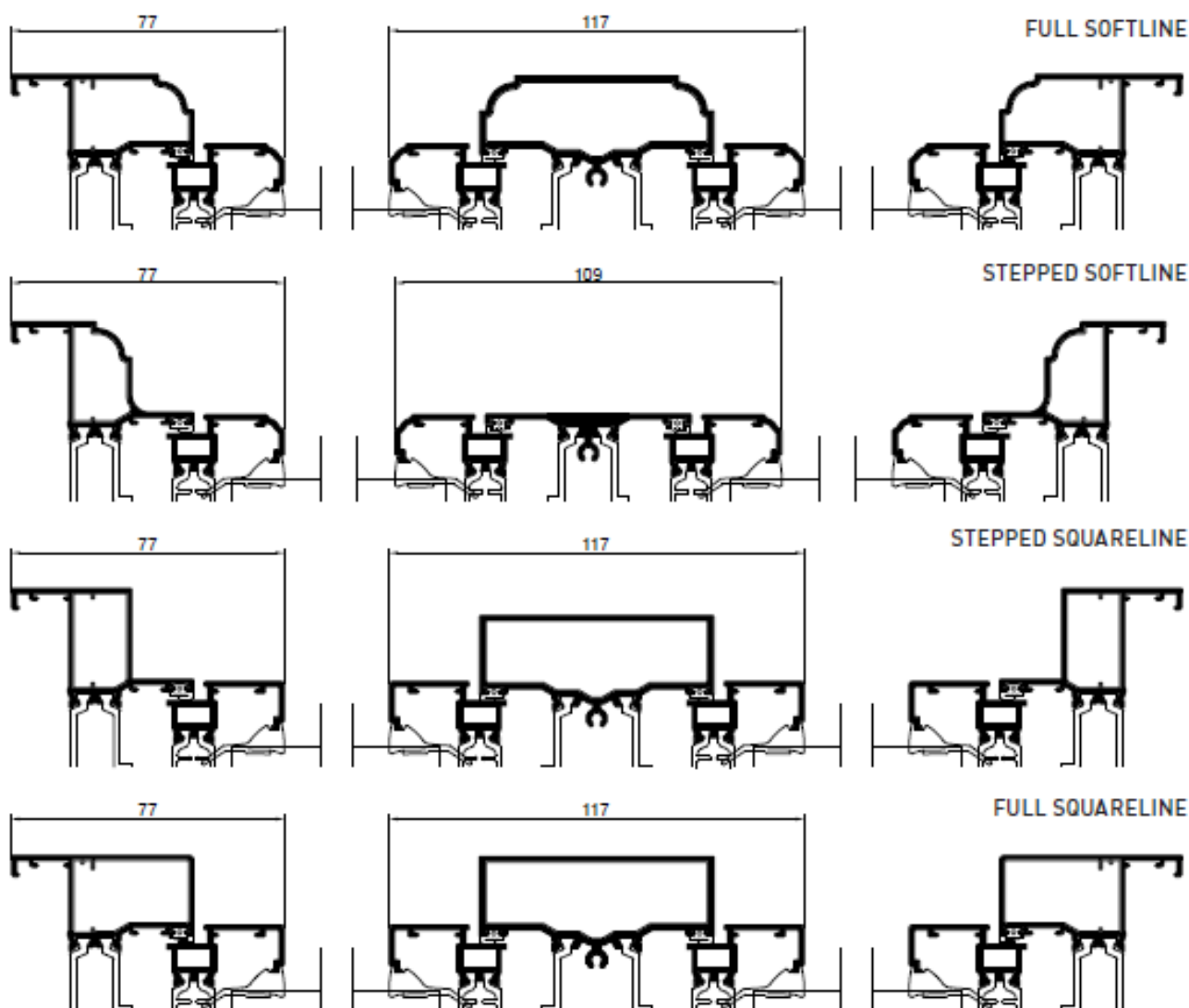
/ VERSATILE PROFILE OPTIONS

EXTERNAL PROFILES



TRADITIONAL MULLION

INTERNAL PROFILE EXAMPLES

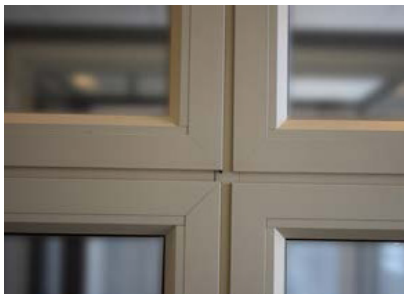


EXTERNAL PROFILES



TRADITIONAL FLUSH

- Transom/Mullion CW338
CW336



SLIM FLUSH

- Transom/Mullion CW337
CW316

YOUR CHOICE

Mixing internal and external profile options within then the flush suite, lets you make the windows your own.

Adding to this finish and dual colour options allows you to create a distinct look and feel to suit your local market.

Traditional or contemporary the Crown window suite provides all the options.

INTERNAL PROFILE EXAMPLES



- Transom/Mullion CW316
- Vent CW340



- Transom/Mullion CW337
- Vent CW340



- Transom/Mullion CW316
- Vent CW341



- Vent CW340
- Frame CW346



- Vent CW340
- Frame CW334



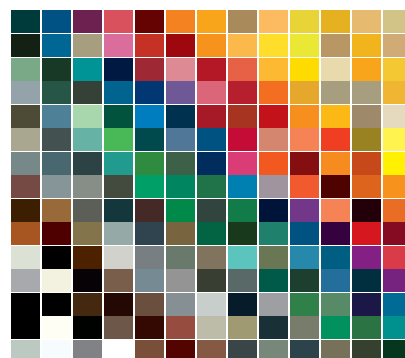
- Vent CW341
- Frame CW347

COLOURS AND FINISHES

The Crown Flush window is available in over 300 premium colours for you to choose from.

From neutral tones to metallic finishes, you can opt for the same colour throughout, or choose different colours for the inside and outside of your window and door frames to create the perfect, individual and stylish look.

Whatever your colour preference, you will enjoy the benefits of one of the most durable finishes available for windows and doors. The low maintenance of our window and door finish, means it will need only an occasional wipe down with soapy water to keep it looking as good as new.





HARDWARE

Locking chrome handles are standard on the Crown Flush window range with other options available. The efficient espagnolette lock ensures smooth window operation and friction stays remove the need for hinges, that would break clean lines of the Flush window and allow for a safe opening of the window.

Traditional monkey tail ironmongery and matching dummy casement stays are also available to complete the traditional look as required.

SECURITY

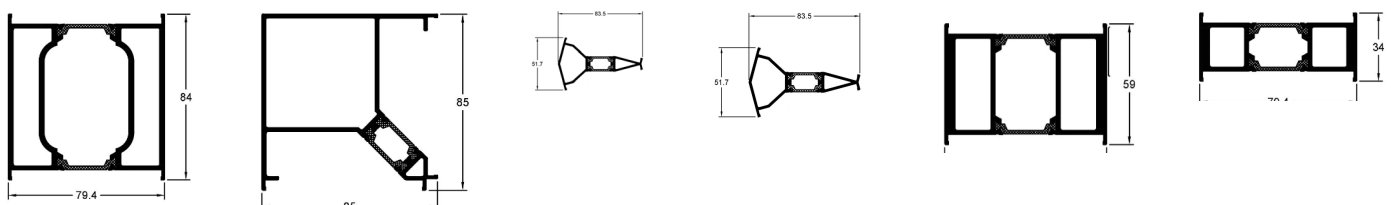
The standard espagnolette locking mechanism with bespoke locking keeps, can be dealocked with the handle key.

The product is available compliant to PAS24 Secured by Design Standards



VERSATILE INTEGRATED WINDOW

The Crown Flush window can be used independently, but can also be combined using Universal frame coupler profiles with our other 75mm systems. Making the window compatible with Technal 75mm systems to create façades, screens or side lights.



SPECIFICATION

PERFORMANCE

Stay Size	8"	12"	16"
Max Width	436	636	736
Max Height	1336	1336	1336
Max Weight	18kg	22kg	24kg
Min Width	236	336	436
Min Height	386	386	386

Air Permeability	Water Tightness	Wind Resistance
Class 3 (600 Pa)	Class 9A (600 Pa)	Class B5 (2000 Pa)*

As an extension to the Crown window range, the flush window suite meets part L building regulations and is WER rated.

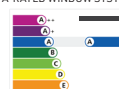
* Exposure category varies with Width/Height of window and mullion / transom used, as these are the only unsupported members. An accurate figure can be obtained using BS6399:Part 2 calculations and inertia values given in the product manual

Side Hung Casement - 8" Stay 18kg Max Weight - Min Height 386			
12mm Glazing Thickness		8mm Glazing Thickness	
Height	Width	Height	Width
1336	436	1336	436
1336	414	1336	414
1336	392	1336	392
1336	369	1336	369
1336	347	1336	347
1336	325	1336	325
1336	303	1336	303
1336	281	1336	281
1336	258	1336	258
1336	236	1336	236

Side Hung Casement - 12" Stay 22kg Max Weight - Min Height 386			
12mm Glazing Thickness		8mm Glazing Thickness	
Height	Width	Height	Width
1126	636	1336	636
1188	603	1336	603
1258	569	1336	569
1336	536	1336	536
1336	503	1336	503
1336	469	1336	469
1336	436	1336	436
1336	403	1336	403
1336	369	1336	369
1336	336	1336	336

Side Hung Casement - 16" Stay 24kg Max Weight - Min Height 386			
12mm Glazing Thickness		8mm Glazing Thickness	
Height	Width	Height	Width
1061	736	1336	736
1112	703	1336	703
1167	669	1336	669
1228	636	1336	636
1296	603	1336	603
1336	569	1336	569
1336	536	1336	536
1336	503	1336	503
1336	469	1336	469
1336	436	1336	436

'A' RATED WINDOW SYSTEM



Secured by Design



Official Police Security Initiative

CROWN

/ 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 CO₂ footprint worldwide: 1.9 kg CO₂ 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 CO₂
EMISSIONS**

The consequence of using Hydro CIRCAL® is the drastic reduction in CO₂ emissions which sums more than 85% when compared with the global average for primary aluminium production.



IMAGINE WHAT'S NEXT

Head Office
Severn Drive, Tewkesbury
Gloucestershire
GL20 8SF

Tel +44 1684 853500

Northern Office
Cedar Court Office Park,
Denby Dale Road, Wakefield
WF4 3FU

info.uk@hydro.com

London Office
The Building Centre
26 Store Street, London
WC1E 7BT

www.technal.co.uk

