

**RELIABLE AND  
DURABLE**



## **202 COMMERCIAL DOOR**

The High-Traffic Door



By  Hydro

 **High Performance & Sustainable**







## 202

### / DOOR, ROBUST DESIGN TO MEET THE MOST DEMANDING SITUATIONS

The 202 commercial door, a market leader in its field, has been successfully designed to meet the requirements specified in the ground floor treatment of commercial building contracts.

Its robust construction, elegant clean lines & choice of hardware, make it supremely suited to high-traffic situations, whilst meeting the requirements for superior weather performance, safety, security, and disabled access.

The 202 system has been specified and proven for commercial and public buildings such as offices, retail, schools, higher education, healthcare, hotels and transport premises. Compatibility with the complete TECHNAL product range simplifies specification for all project types.



**202**

/ HIGH TRAFFIC DOOR



# 202

## / KEY FEATURES AND INNOVATIONS

### FEATURES

- Single or Double action hinged, pivot or rebated opening in or out.
- A variety of door-stiles, top and bottom rails and midrails are offered to meet individual design requirements. Also available is a range of door thresholds including a drained threshold for improved weather protection.
- Double polypropylene pile on all four sides of the door for improved weather performance.
- A unique threshold drains rain water to the exterior of the building.
- Flush threshold is ideal for disabled access, sheltered housing etc.
- A range of handles, locking mechanisms, closers, panic and emergency exit devices and electric strikes are available.

### SECURITY

- Integral extruded rebate to prevent removal of the glass from the outside.
- Security hook locking system with Euro profile cylinders.
- Armour strikes can be incorporated in to the slave leaf and double doors or into the frame on

### SAFETY

- Finger Protection
  - Comprising a bulb ended stile and double weatherpile interlock, permitting a maximum gap of 5mm.single doors

### COMPATIBILITY

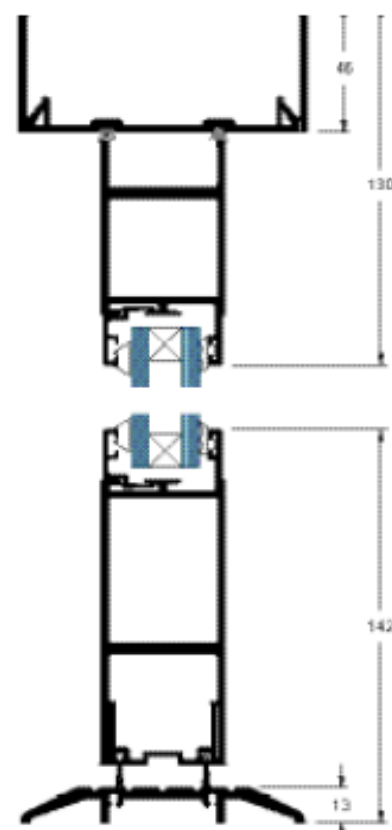
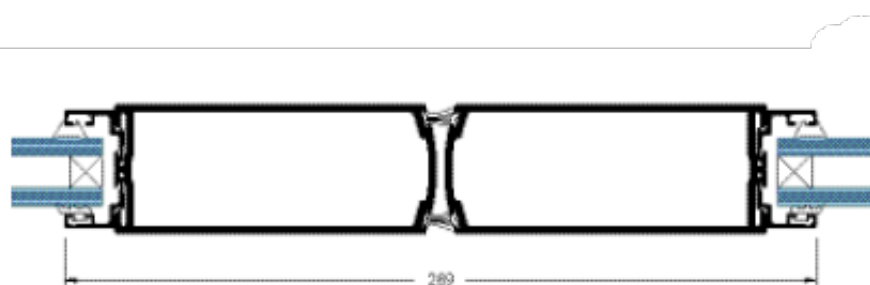
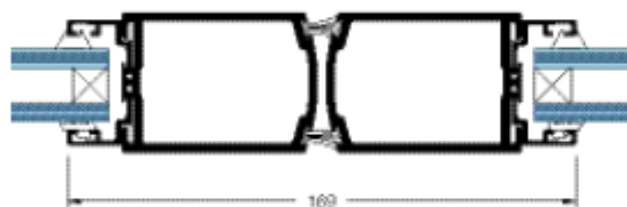
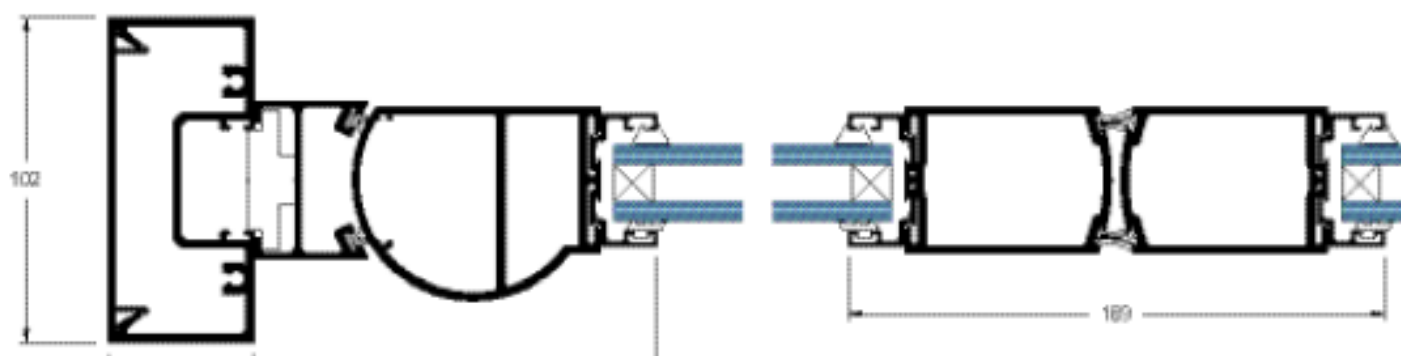
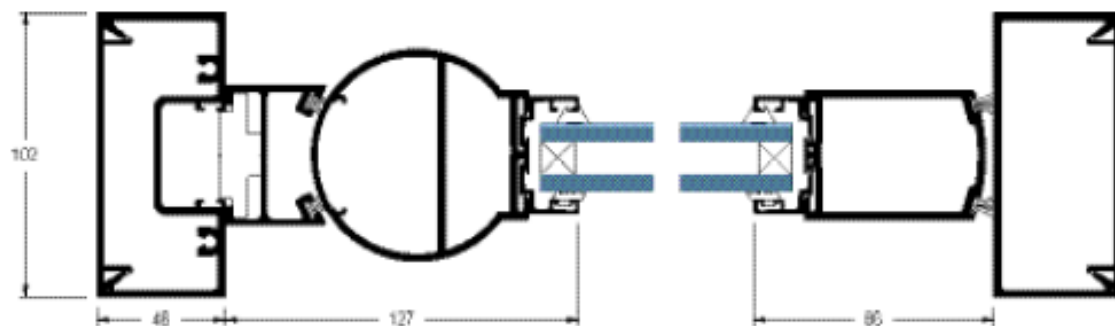
Compatible with TECHNAL's range of curtain walling and ground floor treatment systems with the option of an automatic operation using the finger protection stile.

### CONSTRUCTION

Framing profiles are square cut for jointing and assembled using extruded aluminium spigots secured by machine screws. All joints are sealed with small joint sealant

### GLAZING SPECIFICATION

Glazed to BS6262, the 202 door can accommodate glazing panels between 6 and 24 mm.



# 202

## / PERFORMANCE AND SPECIFICATION

The 202 commercial door offers the specifier a high performance door system capable of meeting the requirements of commercial building contracts. Weather performance, safety and security are the benefits of the special design features incorporated in this system.

### MATERIALS AND COMPONENTS

As with all TECHNAL systems, only the highest quality materials and components are used for low maintenance and performance over time:

Aluminium profiles are extruded from alloys 6005 T6, 6063 T6 or 6060 T5 to BS EN 12020, BS EN 573-3, BS EN 515 and BS EN 775-1 to 9. Accessories are cast from Zamak 5 or A-S9G03 to BS EN 12844. Screws are austenitic stainless steel.

### FINISHES AND COLOURS

A wide range of finishes is available to meet individual project requirements, complement existing buildings and offer additional design freedom for architects and specifiers:

Stoved polyester powder coated finishes in a wide palette of colours and in accordance with BS 6496. Natural self-colour or Anolok anodised in accordance with BS EN 12373-1:2001 and BS 3987. Single and dual colours.

## SPECIFICATION

TYPICAL SIZES			
Applications	Length	Height	Maximum Weight
Pivot	1175mm <sup>1</sup>	3000mm	100kg
Hinge	1175mm	3000mm	120kg

#### NOTES

1. Where greater widths are required to suit disabled access or emergency exits please contact our Technical Department.

# 202 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.





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