

# THE SOLUTION FOR COMMERCIAL PROJECTS

## STORMFRAME STII The Commercial Door

➤ High Performance & Sustainable



By  Hydro









# STII

## / SYSTEM AND HARDWARE WORKING TOGETHER

Since its launch, the STII door has been recognised as an exceptional product in terms of performance and fabrication. STII offers the best option for you and your customers, providing an ideal door suitable for a wide range of commercial applications.

### **HIGH TRAFFIC DOOR FOR COMMERCIAL APPLICATIONS**

- Hardware options are specifically designed to fit easily within frame and door profiles including:
- Multi-point lock with lever/lever handles
- Electromagnetic locks
- Panic exit devices
- Single point locks
- Electric strikes
- Flexible position fixing plate, within the stile, profile securely fixes hardware
- Dedicated profile pocket filler maintains a quality finish to door edges
- Door stile end mouldings provide improved finish and allow a continuous seal across the bottom of the door
- Utilising existing frame profiles reduces tooling investment
- Extensive range of functional options including finger-protection safety stile
- Can be suited with DF Si window system and MX curtain walling
- Available with Dual Colour option
- Door leaf glazing options up to 46mm
- Door size up to 3.0m high
- Door weights up to 100Kg for centre pivot, 140Kg for hinged rebated doors

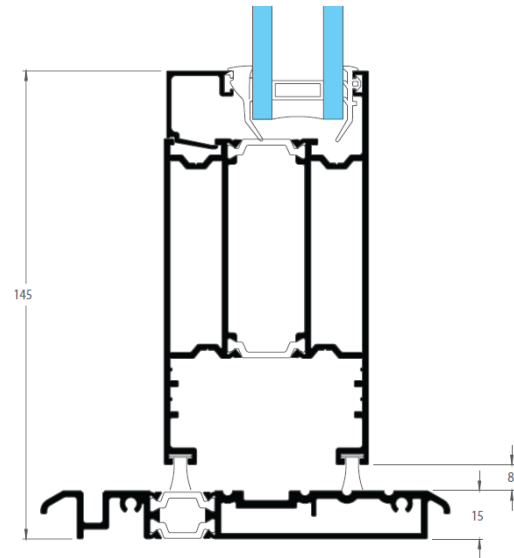
# STII

## / VERSATILE FRAMING SOLUTIONS

STII has its own framing solution, simplifying the creation of side light and other composite framing options. The door and side light can share a continuous threshold for improved performance and aesthetics.

### VERSATILITY TO SUIT YOUR PROJECT

- Specific mullion box profiles to simplify assembly and glazing and increase strength for larger spans.
- Half mullion profiles allow for composite frames to be factory fabricated and coupled together on site
- Unique new low threshold profile designed to run the full width of an opening, under both doors and frame for simplified fabrication and installation
- Self locating rebate profile for hinged doors now available finished to match framing
- Continuous drainage through the threshold cill





# STII

## / SIMPLE AND SECURE SECURITY AT THE HEART OF THE DOOR

STII single and double doors have successfully completed an extensive testing regime for PAS24 security covering standard locking options, panic exit and electromagnetic locks. STII is the ideal choice for any project.

### **CERTIFIED TO THE RELATIVE CLAUSES WITHIN BS4873:2018 AND PAS24: 2016**

Technal STII Single Leaf, Centre Pivot, 2 x Single Point Locks, Glazed Door

Technal STII Double Leaf, Centre Pivot, 2 x Single Point Locks + Shootbolt Gearbox & Rods, Glazed Door

Technal STII Single Leaf, Centre Pivot, Multi-Point Lock, Glazed Door

Technal STII Double Leaf, Centre Pivot, Multi-Point Lock + Shootbolt Gearbox & Rods, Glazed Door

Technal STII Single Leaf Open Out, Centre Pivot, 2 x Mag Locks, Glazed Door

Technal STII Double Leaf Open Out, Centre Pivot, 2 x Mag Locks + 2 x Mechanical Locks, Glazed Door

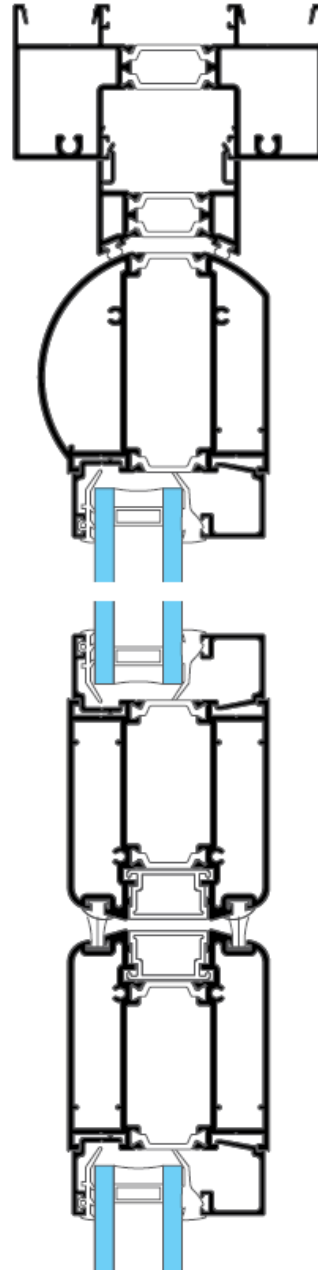
Technal STII Single Leaf Open Out, Centre Pivot, Surface Mounted Panic Exit Device, Glazed Door

Technal STII Double Leaf Open Out, Centre Pivot, 2 x Surface Mounted Panic Exit Device, Glazed Door

Technal STII Single or Double Leaf, Centre Pivot, Surface Mounted Panic And External Access Device With Pull Handle And BS EN 1303:2005 Rim Cylinder, Glazed Door

All doors tested with options for:

- Pivot finger-protection stiles
- Low threshold
- Fixed light framing









# STII

/ PERFORMANCE... BETTER THAN IT NEEDS TO BE!

## WEATHER PERFORMANCE

- Capable of BS6375-1:2015 watertightness levels:
- Centre Pivot AFT single door - Class 3A (100 Pa)
- Hinged Rebated single door - Class 5A (200Pa)

## THERMAL PERFORMANCE

The STII Door offers high levels of thermal insulation achieving a U value of 1.8W/m<sup>2</sup>k for doors without midrails and 1.9W/m<sup>2</sup>k for doors with midrails depending on size and glazing specification. This low U value can help building designers to achieve their Target Emissions Rate (TER) by being offset against the allowable U value of 3.5 W/m<sup>2</sup>K for high traffic doors when calculating the Building Emissions Rate (BER)

## 2010 EQUALITY ACT COMPLIANT

Available with specialist door closers adjustable for strengths EN1 to EN4 allowing for fine adjustment on site and removing the need to stock multiple closers.

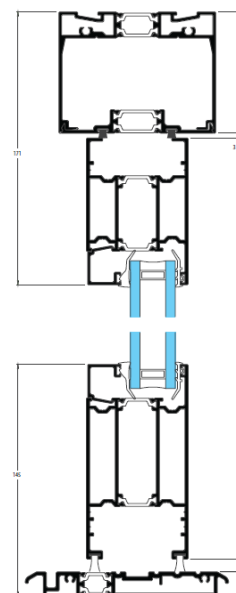
The closer meets all the requirements of document M and BS8300.

Also available with compliant low threshold and pull handle options.

# SPECIFICATION

		MIN LEAF SIZE	MAX LEAF SIZE	MAX LEAF WEIGHT
SINGLE DOORS	CENTRE PIVOT	400mm x 1950mm	1175mm x 3000mm	100kg
	REBATED	300mm x 1950mm	1300mm x 3000mm	140kg
DOUBLE DOORS	CENTRE PIVOT	400mm x 1950mm	1150mm x 3000mm	100kg
	REBATED	300mm x 1950mm	1300mm x 3000mm	140kg

ALL DOORS	DOOR LEAVES	Glazing beads and gaskets can accommodate insulating glass units and/or panels of 28mm - 46mm nominal thickness
	POCKET FRAMING	Pocket Framing - Gaskets can accommodate insulating glass units and/or panels of 32mm nominal thickness
	FIXED LIGHTS	5m <sup>2</sup> max pane area





# STORMFRAME

/ 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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