



Flood Prevention Gate

Tachibana Engineering (HK) Ltd. supplied floodgates to Hong Kong as early as 2008 to protect electrical switch rooms which have high risk of flooding. All of our floodgates installed have survived Super-Typhoons “Hato” in 2017 and “Mangkhut” in 2018.

Our floodgate is of a removable hand held design, made to measure to ensure the highest degree of water tightness. The flood panel is rigid and yet light weight to allow manual handling without the use of tools. It can be set up easily prior to the arrival of a storm at a short time.

Applications are electrical switch rooms, server rooms, car park entrance, door entrance, public lift entrance, etc.



Our Design Concept



Side Insertion, no need for lifting up and over

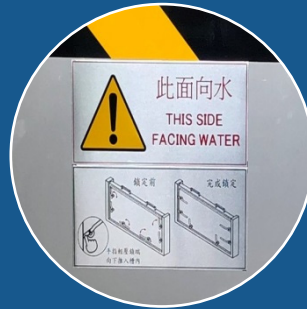
One vertical panel wherever possible

Flood water pressing onto rubber gasket

Gasket on single plane only to ensure water tightness

Quick-action locks to ensure consistent locking pressure & "error-proof" operation

Light weight & rigid



Technical Data

Material:

- Embedded U-Channel: Stainless Steel Grade 316
- Mullion: Stainless Steel Grade 316
- Floodgate Panel: Frame made of Aluminium Alloy 6063-T5, and Panel made of Aluminium Alloy 3003
- Sealing Gasket: EPDM
- Handle: Zinc Alloy
- Quick-Action Lock: Stainless Steel Grade 316

Installation Hardware:

- Stainless Steel Grade 304 or higher anchor bolt
- Screws of Stainless Steel Grade 316
- Sealant: Weatherproofing sealant for most applications
- Labelling with installation instructions and position on each panel

Storage:

- Protect materials from exposure to direct sunlight
- Panels shall be stored in a ventilated, weather-tight location

Job Reference



Double panel floodgate with water prevention hoods installed at CLP Power Substation



Two layer panel floodgate installed at Highway lift shaft



Two floodgates installed together in Flushing Water Tank and Pump Room



Single panel floodgate installed at staircase entrance of switch room



Floodgate installed at Highway lift pillar box



CLP Power Ting Kau Substation
Floodgate was installed in 2008
Photo was taken in 2019
Still in excellent condition and functioning well

