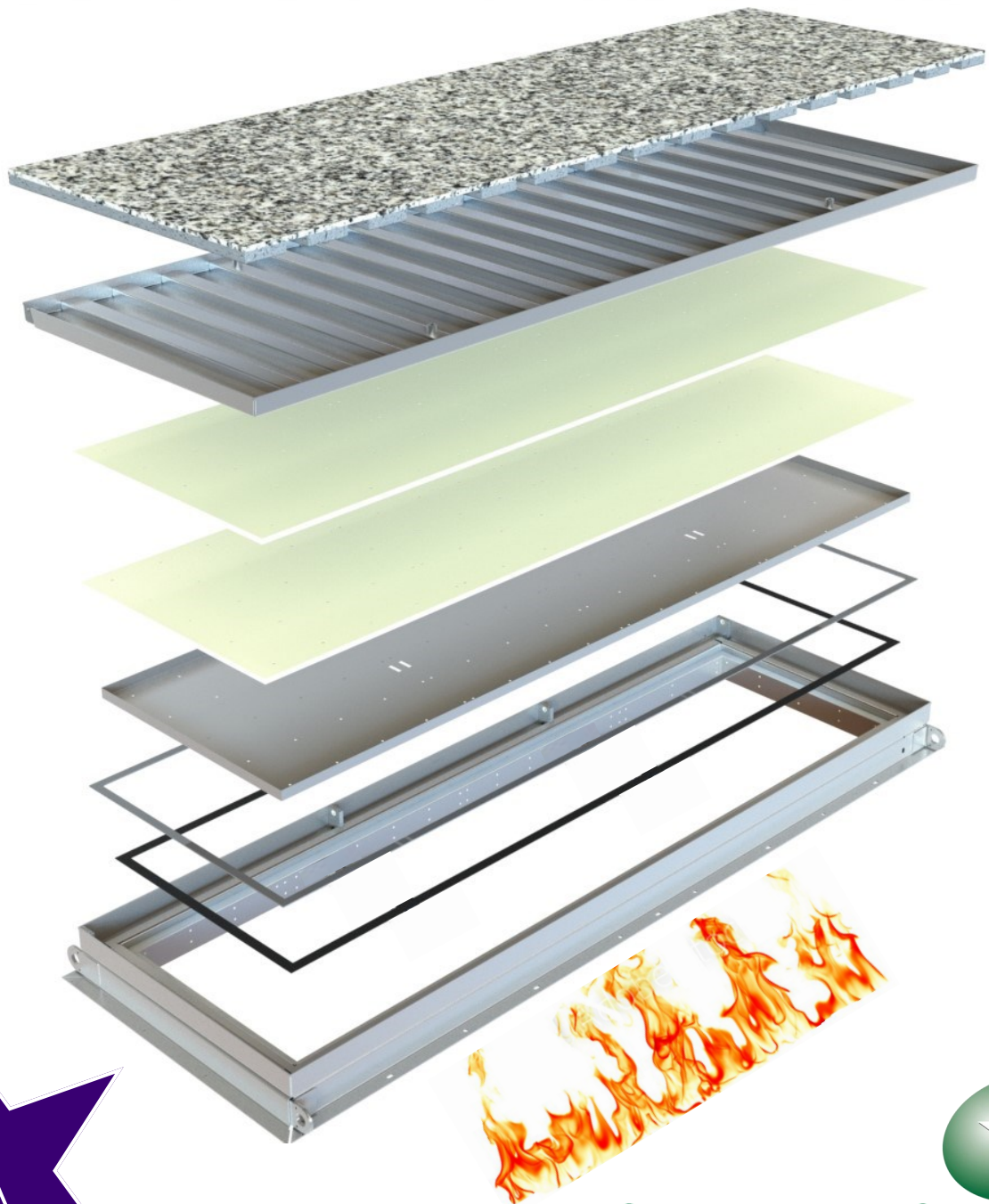


Kent Hinged Single Large Fire Rated Access Cover



Kent
STAINLESS

KFRAC4000-1000(HLA) is one of our range of Fire Rated Access Covers, designed, manufactured and tested to BSEN 1634-1:2014. 3rd Party Tests are carried out Exova Warrington Fire, notified body No. 0833.

Covers are certified to be used with a concrete/tile infill mainly intended for internal use.

Uniquely they can also be used externally with paver blocks for streetscape, pedestrianised precincts.

Their design also makes them watertight by default

A 4000mm x 1000mm clear opening gives a 4500mm x 1500mm visible frame size. When a cover is opened to 75° the opening is reduced by 200mm on the hinged side.

This cover is for frequent access to the chamber below.

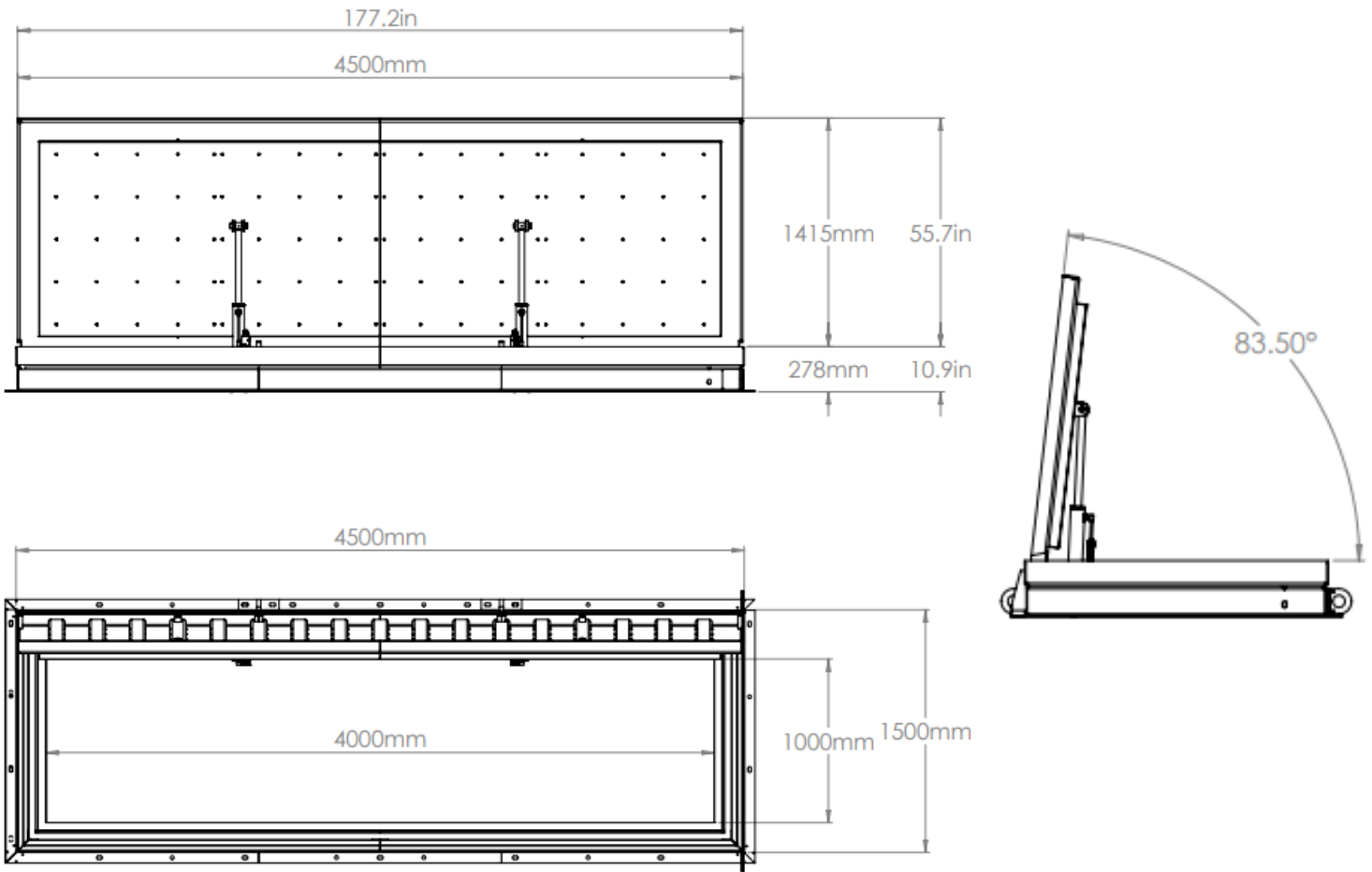
As standard it is opened by a hydraulic mechanism. This is powered by a control switch mounted remotely under and over the cover.

The hinges are formed from a single block of 20mm thick stainless steel

Features:

- Grade 316L Stainless Steel
- 180 Minute Fire Rating
- Integrity Rated and Insulation Rated
- Water Tight
- Loading 5kN/m²



KENT HINGED SINGLE FIRE RATED ACCESS COVER KFRAC4000-1000 (HLA)


Product Code	Clear Opening	Tray Depth	Reduced Opening	Visible Frame Size
KFRAC4000/1000(HLA)	4000mm x 1000mm	80mm	4000mm x 800mm	4500mm x 1500mm

The size shown is the maximum size tested.

Smaller sizes made to the same construction are also guaranteed 180 minute fire rating.

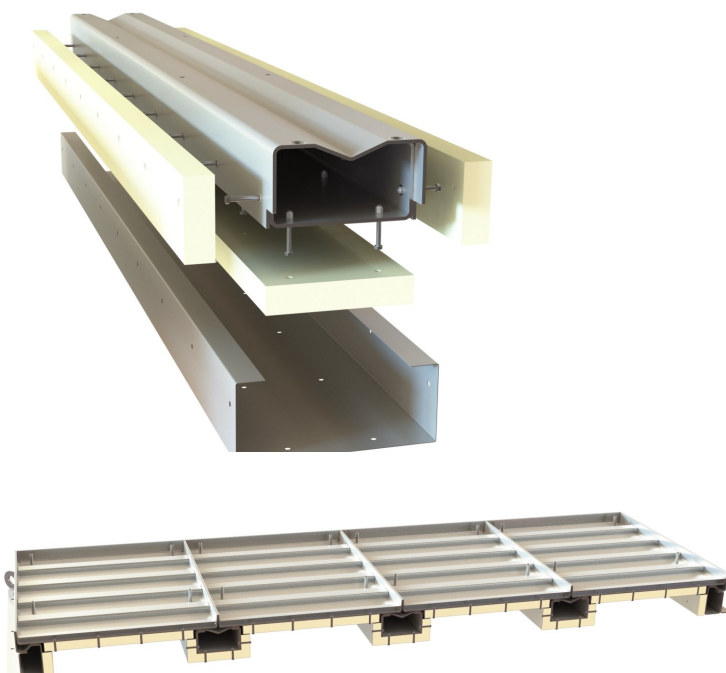


Intumescent Seal

Graphite based intumescent seal, which creates high pressure on expansion. In order to guarantee a secure seal against the spread of smoke and fire, the seal engages at 150°C, ensuring the joints to close quickly to block the spread of smoke and fire.



Fire Cladding



With its layers of fireboard cladding on the underside of our covers, these manhole covers provides thermal insulation, noise prevention and are non combustible according to DIN 4102 and WN 13501, with a shrinkage threshold of 400°C.



KENT HINGED SINGLE FIRE RATED ACCESS COVER KFRAC4000-1000 (HLA)

Kent
STAINLESS

3rd Party Certified

British Standard



Exova Test Report



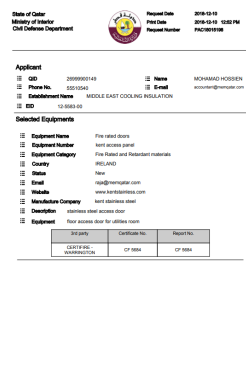
150°C
Intumescent
Seal
400°C Fire
Cladding



Certifire



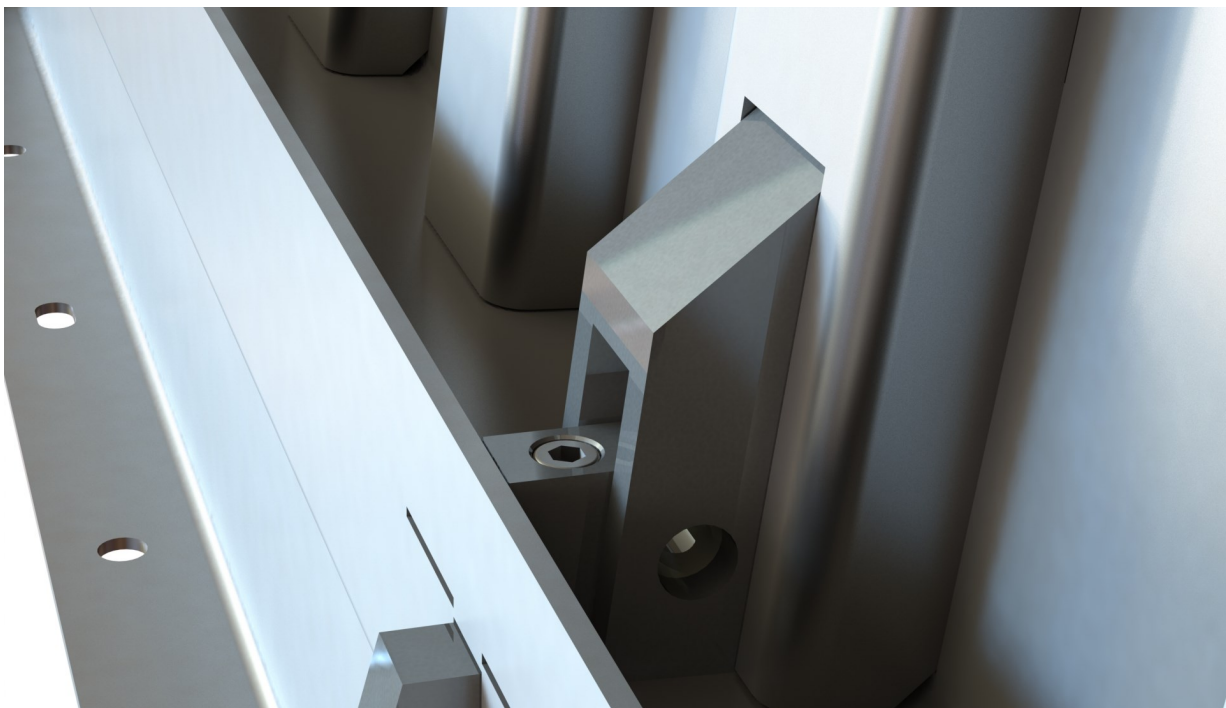
State of Qatar



With it's layers of Intumescent Seal these covers have been proven to pass an Integrity Test of 180 minutes when tested with a Flaming Test, a Gap Gauge Test and a Cotton Pad Ignition Test.

In addition, with it's layers of fireboard cladding the underside of our covers, these manhole covers have passed the Insulation Test of 180 minutes.

These tests give it a 180 minute rating.

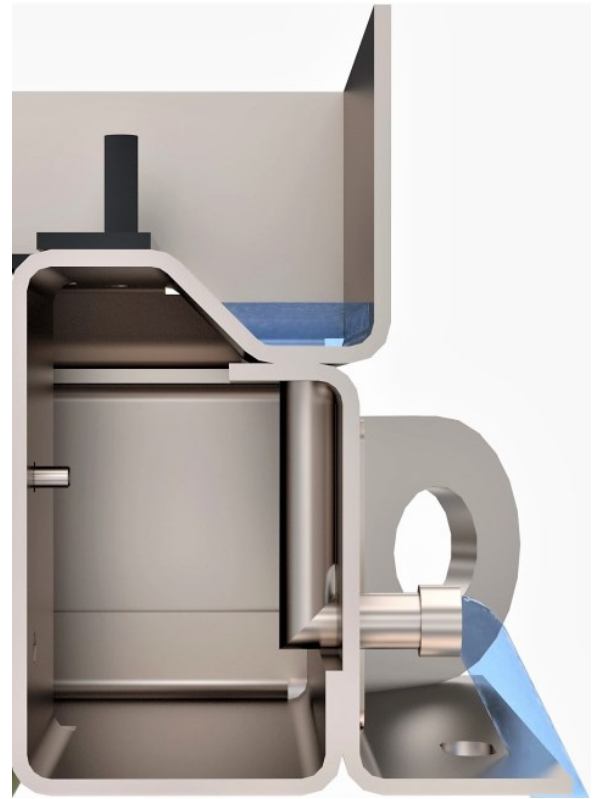
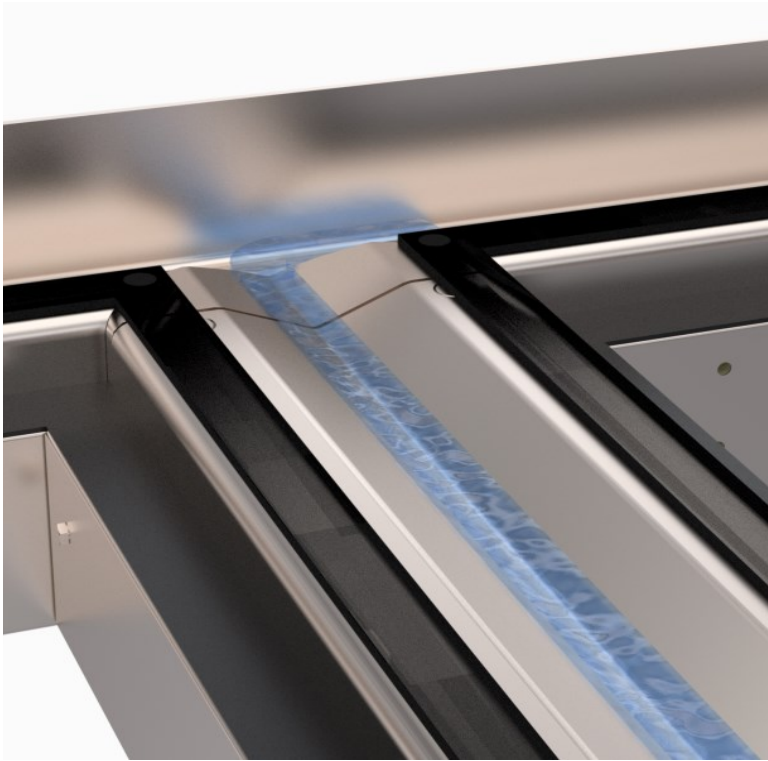


Hinges





Water Management Channel System



To properly engage to water management channel system the manhole frame has 25mm diameter outlet which must be connected to a positive drainage outlet pipe and not just a soakaway.

KENT HINGED SINGLE FIRE RATED ACCESS COVER KFRAC4000-1000 (HLA)

Specify

Choose your steel:
Grade 304 Stainless steel
Grade 316 Stainless steel

Customise your size, or go with our standard clear opening 4000mm x 1000mm

Specify:
Kent KFRAC4000/1000 Fire Rated Access Cover; 4000mm x 1000mm clear opening, 4500mm x 1500mm Visible Frame Size; Grade 316L Stainless Steel; Lockdown; Covers Recessed 80mm to take Concrete & Tiles (Alternatively 60mm Deep Pavers with Bedding); Integrated Water Management Channel with ½" BSP Drainage Point which must be connected to drainage system; 3rd Party Certified to give 180 Minute Fire Rating for Integrity and Insulation (Thermal Transfer); Loading 5kN/m² Eurocodes 2; Structural Design to Eurocodes 3

FACTA Class	Slow Moving wheel Loads	Kent Safety Test (Unfilled)	BSEN124	Slow Moving wheel Loads	Kent Safety Test (Unfilled)
A	0.6T	0.8T	A15	0.6T	1.5T
AA	1.5T	3.1T	B125	5.0T	12.5T
AAA	2.5T	5.2T	C250	6.5T	25.0T
B	5T	10.1T	D400	11.0T	40.0T
C	6.5T	13.2T			
D	11T	22T			



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