



**KEMWELL THERMAL LTD**  
**FIRE PROTECTION**

# ***CABLE ENCLOSURE SYSTEM***



***Providing optimum fire  
protection for High  
Voltage Power Cables***



Kemwell Thermal fire protection products are used all over the world to protect people and buildings against fire. The wide variety of fire protection systems are extensively tested to meet national and international standards, offering our customers the security of proven fire performance in various market sectors.

Kemwell enclosure system is specially manufactured to provide optimum fire and insulation performance at high temperatures. It's thermal conductivity is more efficient than that of standard board systems.

**Cable Protection : Tested in accordance with BS EN 1366-5:2010 - 180 minutes**



Kemwell horizontal service duct during a fire resistance test to BS EN 1366-5:2010.



Horizontal duct inside the furnace after the fire test (184 minutes).

Fire test carried out at BRE Global Ltd, for a duration of 184 minutes.

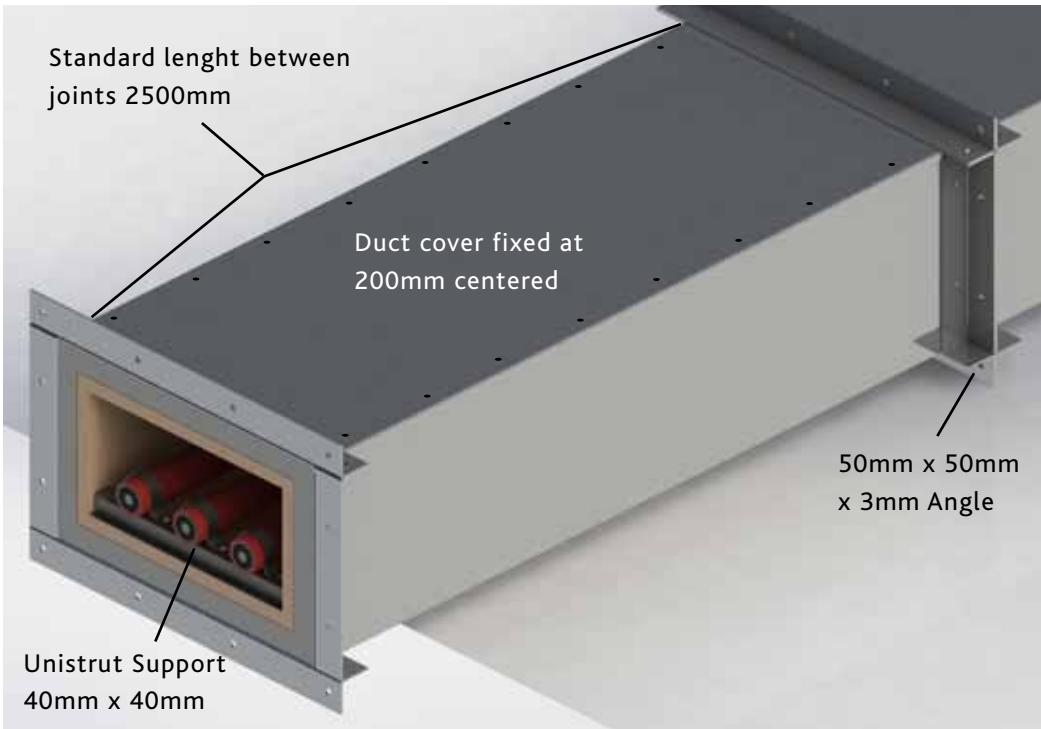


Kemwell cable enclosure system was tested to meet the revised BS 8519: 2010 and current EN 1366-5: 2010 specification. The main objective was to determine the temperature of the internal enclosure face in accordance with BS 8519: 2010, section 12. The mean temperature recorded on the duct internal face did not exceed the 180°C temperature rise limit throughout the test (180mins).

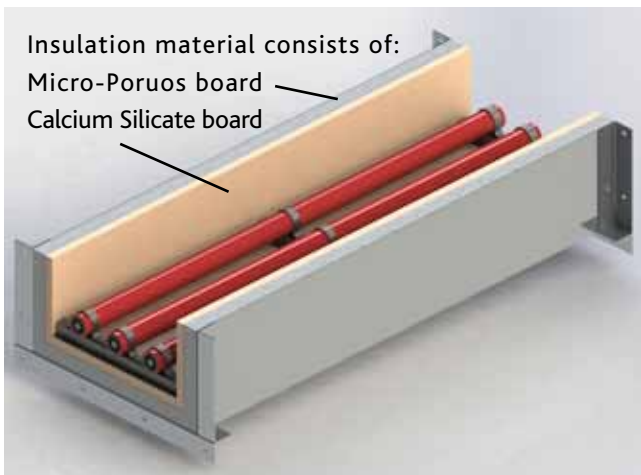


Fire protection is a critical consideration in any facility, some of the following factors should be considered when determining the correct specification to ensure the cable enclosure system will provide the required fire performance.

Circuit integrity in the event of a fire may be vital that certain electrical systems remain functioning.



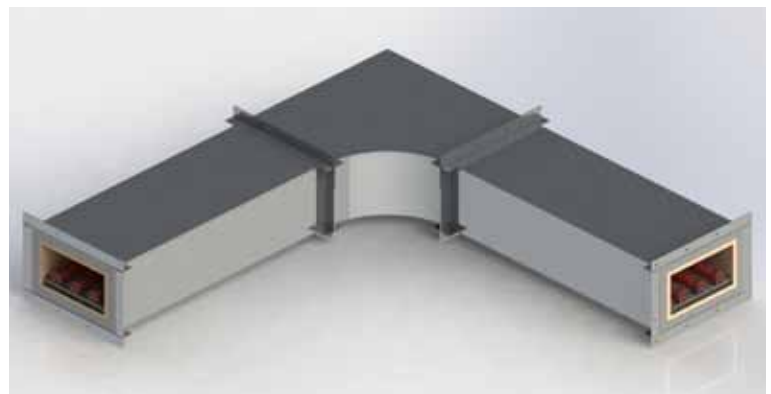
- External fire, internal fire or both
- Supporting structure
- Penetrations through floor's and walls.



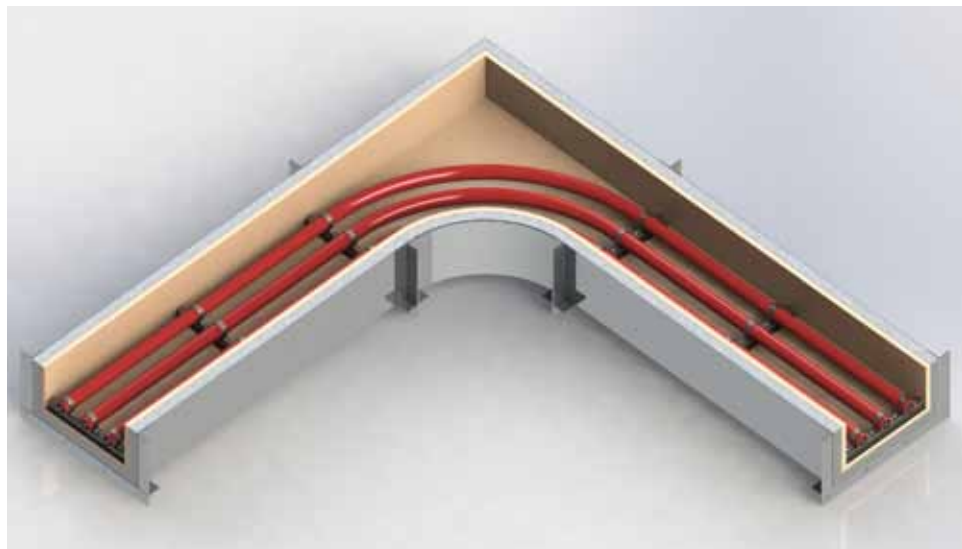
Duct outer casing manufactured in 1.5mm galvanised steel.



Internal dimensions of the enclosure is 470mm x 170mm.



Support bracket 75mm x 75mm x 75mm x 3mm thick Supported by M12 threaded rods at 700mm centres



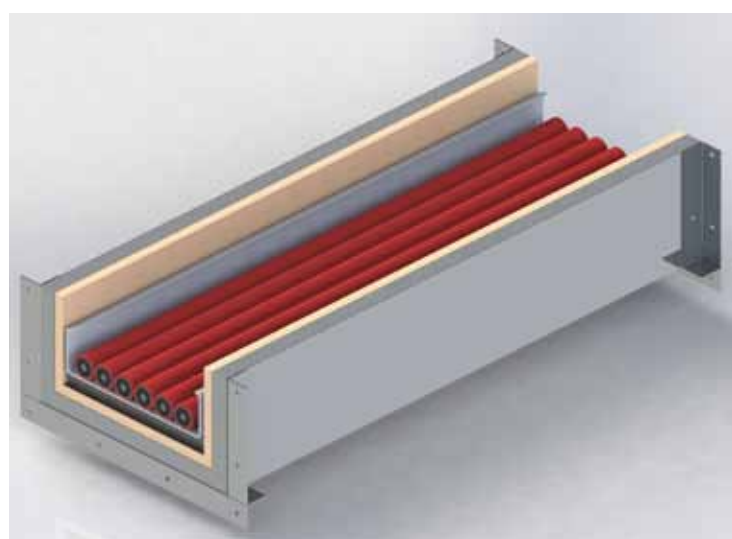
A typical 90° bend.

The supporting hangers and their fixings should be capable of bearing the load of the complete system, and can be fixed to various concrete substrates.

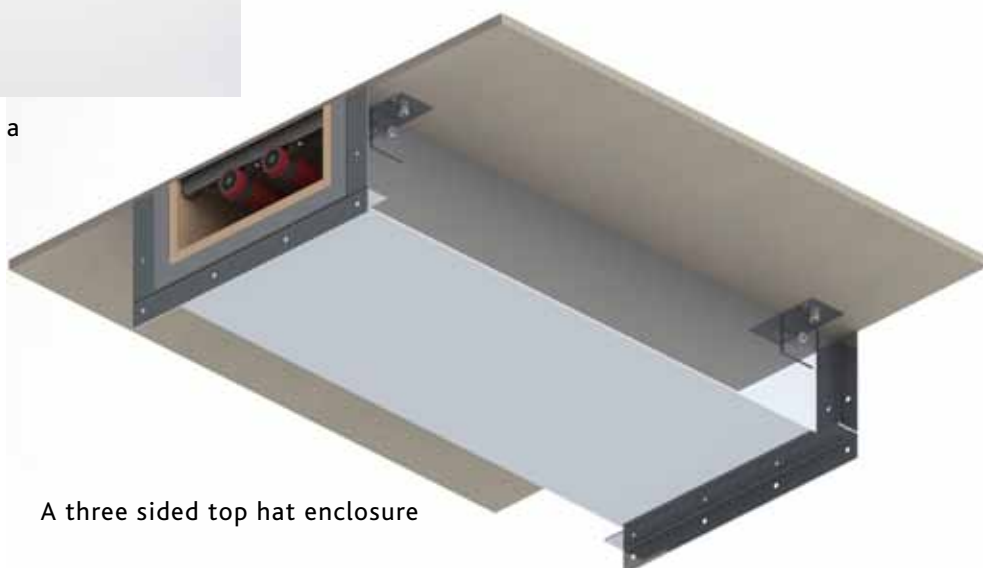
For specific support details please contact Kemwell technical department.



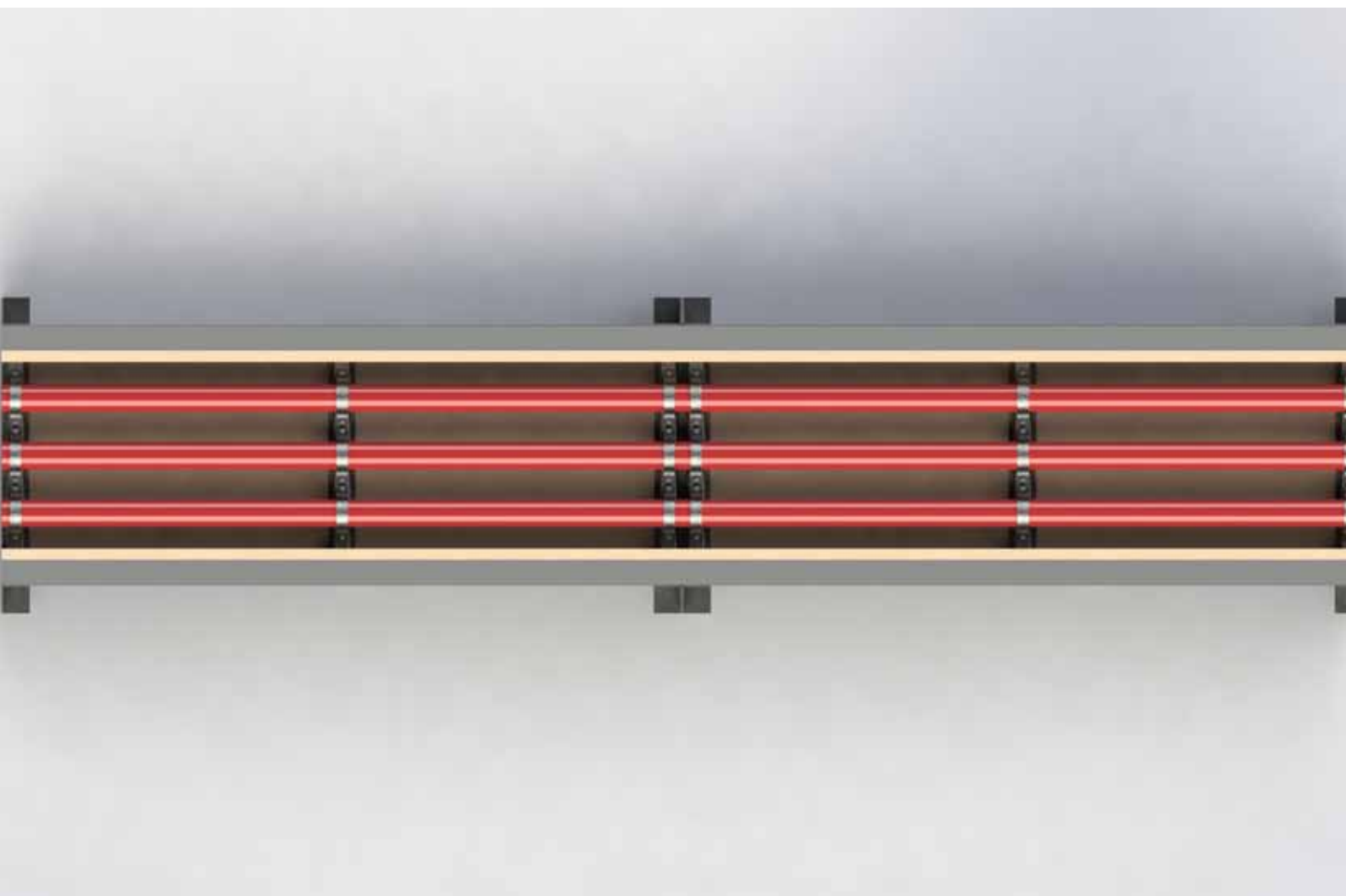
Three sided horizontal enclosure fixed to a concrete substrate.



Cable tray enclosure



A three sided top hat enclosure



**Kemwell Thermal Limited**

Roma Road, Tyseley, Birmingham,  
West Midlands B11 2JH

Tel: 0121 7081188 Fax: 0121 7063390

Email: [enquiries@kemwellthermal.com](mailto:enquiries@kemwellthermal.com)