



## Product 13 WPCS/K Range

### Description

WPCS/K Intumescent collars for pipes 400mm diameter up to 900mm diameter with wall thickness from 3mm, either PVC or polypropylene.

The WPCS/K unit is a product that consist of a hollow cylindrical metal clamp into which is placed a lining of Intumescent. The whole assembly is fitted over a PVC or Polypropylene pipe to provide 1-2 hours fire protection. In the event of a fire, the Intumescent material expands and, as it is constrained by the metal clamp, exerts pressure on the contained pipe to crush-seal its flow.

Because of the thinness of the pipes, the pipes have to be coated with 2 layers of fibre glass chopped strand matting adhered with our fibre glass adhesive with hardener. This must be applied to the pipe to the depth of the wall and each side of the wall, to the depth of the selected WPCS collar.

Should the pipe already be installed in the wall then the fibre glass material should be applied to the pipe for 300mm each side of the wall. In both cases, the fibreglass must be coated with 3 coats of HW01 dark grey Intumescent coating. This dries in 15 minutes, coating at approximately 8m<sup>2</sup> per litre per coat.

The total loading of 3 coats is 300 microns. Once it is all dry then fit the WPCS/K round the pipe on the risk side. Should the risk side be from either side of the wall, then a WPCS/K should be fitted on both sides.

Do ensure that all fixing brackets which are supplied with the WPCS/K are all used. Do not leave off any.

You can move the brackets to another position if necessary.

You will find a gap between the sleeve & the pipe. If you are concerned about smoke because of the thickness of the pipes, you need smoke sealing as well and you require these to be smoke-sealed, you can apply our Product 58 AM mastic around the perimeter of the pipe and collar or we can supply you with a black fireproof sponge which is our Product 39 FCS 10mm to fit into the gap.