

# APPLICATION DATA SHEET



ENVIROGRAF®

AP013-02-2017

## Product Number: 13 Intumescent Pipe Collar

### Description:

The Envirograf Intumescent Pipe Collar is a surface-mounted circular metal unit for use around pipes (PVC, UPVC, steel and copper) and electrical cables that pass through fire-rated ceilings or walls. The unit consists of a hinged, two-part metal collar that contains intumescent material.



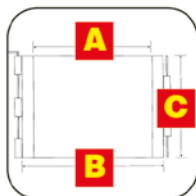
### Fixing Instructions:

Each WPCS pipe collar has the correct number of fixing brackets supplied with screws. But all fixing brackets must be used even if you drill a fixing hole in a different position round the collar.

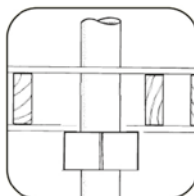
All fixing brackets must be fixed with screws to secure timber or metal fixings in hollow partitions or plaster board ceilings. Fixings into brick, block or concrete with No.8 or 10 screws and raw plugs; this is how it has been tested. For plaster board hollow walls or ceilings use steel metal spring toggle.

The collars can be reversed to fit into floors or walls. There is no need to mastic behind collars to wall, we never use on tests. All collars are slightly larger than the size of the pipe, firstly as pipes vary in size and if pipe is on a slight angle it will go into the collar. The intumescent, in a fire, would expand sealing the gap but should you need to close the gap any mastic would do. Please note: with the larger sized WPCS collars e.g. 200mm diameter and up, the foil edge must be fitted facing towards the wall or ceiling so the edge with the return is facing out.

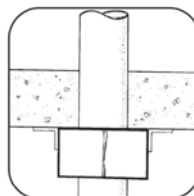
WPCS collars are made from 30mm sizes upwards in depth according to fire requirement and size for ratings of 1 to 4 hours. Standard colour brown powder coat but can be made in other colours. Acoustic and other versions available. See also Product 16 and Product 110



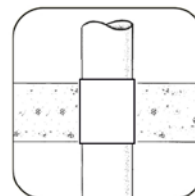
For recessing into walls or ceilings. Fixing clips are just turned around.



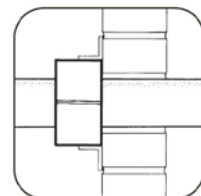
Surface-mounted into hollow timber floors.  
**WPCS/C**



Surface-mounted into ceilings.  
**WPCS/C**



For passing through a ceiling use Product 110.



Surface-mounted into wall

Please Note: WPCS/C for ceiling application is only available from 2 hours protection upwards.  
WPCS/C comes with hinge and pin opening.

**Function:**

In the event of a fire Envirograf Product 13 WPCS intumescent will expand crushing PVC/UPVC pipes as they soften and cables. For steel and copper pipes they will cool down and insulate the metal reducing the heat from the other side of the wall or ceiling. Thin aluminium pipe would be crushed flat maintaining the fire rating of the wall or ceiling.

**Application:**

Normally WPCS are fixed to the wall or ceiling on the risk side only. In some cases both sides are a risk side to a collar would then be fitted each side. Fixing instructions must be adhered to. The correct size collar must be fitted to the appropriate pipes and services.



Beginning of test



End of test

*Fire Test on behalf of EDF Energy Nuclear Generation Ltd. Test duration – 136 minutes. In accordance with BS EN 1366-3:2009*