

PRODUCT DATA SHEET

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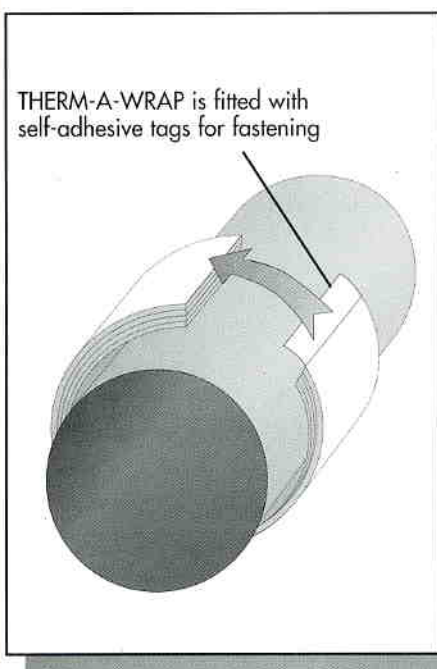
THERM-A-WRAP

AN INNOVATION IN MAINTAINING THE INTEGRITY OF FIRE COMPARTMENTS



INTRODUCTION

THERM-A-WRAP intumescent pipe wraps offer a low cost, easily installed alternative to metal-cased pipe collars. They have been designed for use on uPVC thermally-softening pipes in situations where the wrap will be fully 'cast in' to the structural element.



DESCRIPTION

THERM-A-WRAP is based on a graphite intumescent material which provides a high pressure force to close the penetration as the pipe softens in a fire. This fibre-reinforced material exhibits an excellent resistance to erosion and enables extended periods of fire resistance to be achieved. Its intumescent reaction commences at 190°C with low smoke emission and no halogen by-products from combustion being produced. The pipe wrap utilises several

layers of intumescent mat dimensioned to suit the pipe diameter, backed with a pvc tape and fitted with self-adhesive tags for fastening. THERM-A-WRAP is resistant to water and most liquids commonly found in the building environment.

TEST-EVIDENCE

THERM-A-WRAP has been independently tested on both vertical and horizontal pipes, following the temperature and pressure conditions specified in BS476: part 20:1987. They are approved for use on uPVC pipes of 55, 82, 110 and 160mm OD and certified for fire resistance of four hours in both wall and floor elements.

Test evidence is available on request.

AVAILABILITY

THERM-A-WRAP is available ex-stock, prepacked in sets of 12, or in any combination of 12 mixed sizes to suit 55, 82, 110 and 160mm OD uPVC pipes.

INSTALLATION

THERM-A-WRAP is simply wrapped around the circumference of the pipe to be protected and the ends joined with the self-adhesive tag. It is then moved along the pipe to a position within the floor slab 12mm from the underside; or centrally within a wall but no more than 52mm from each side.

Finally, the pipe wrap is grouted in place with sand/cement mortar to give a neat finish to the pipe penetration and to facilitate decoration. Care must be taken to ensure that the Wrap is not damaged by any rough edges or sharp projections in the masonry or by the trowel.

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