

PRODUCT DATA SHEET

THERM-A-SEAL

THE ALL BRITISH NEW GENERATION INTUMESCENT FIRE SEAL



INTRODUCTION

The installation of intumescent fire seals around fire door assemblies is now universally regarded as essential if these are to comply with the criteria specified in the updated BS 476: parts 20 and 22: 1987 test protocol. To meet this requirement Intumescent Seals has developed a unique intumescent formulation representing a breakthrough in intumescent product technology.

APPLICATION

THERM-A-SEAL has been developed primarily for sealing the air-gap between the edges of the leaves and the frames, or between the separate leaves, of both timber and steel fire-resisting door assemblies in the event of a fire.

In a fire situation, an intumescent foam is produced which is voluminous and also capable of exerting a pressure high enough to restrain the edges adjacent to the seal. THERM-A-SEAL is therefore ideally suited to applications where some applied restraint combined with the normal gap-filling properties of intumescent materials is needed. Unlatched door leaves, or double swing assemblies are most likely to benefit from such characteristics across the head, although the seal is equally well suited to conventional latched single-leaf doors.

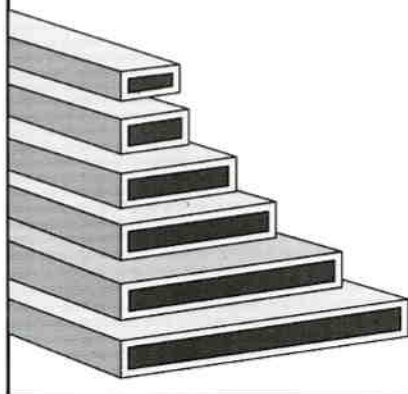
For most latched single-leaf single-swing 30 minute (FD30) timber fire-resisting door assemblies, a single 10 mm x 4 mm strip down each jamb and across the head will normally suffice. Unlatched single-leaf timber door assemblies will invariably provide a 30 minute rating, whether single or double-swing, with a 10 mm x 4 mm strip fitted down the jambs;

depending upon the nature of the door, however, it may be prudent to increase this across the head.

Most latched single-leaf single-swing 60 minute (FD60) timber fire-resisting door assemblies, will satisfy the requirement of the BS 476: parts 20 and 22: 1987 test procedures when fitted with a single 20 mm x 4 mm strip across the head and down both jambs. Unlatched doors may require additional material across the head.

The intumescent foam produced by THERM-A-SEAL has high temperature tolerances and so is well suited for use with steel door assemblies where conventional intumescent foams may break down.

Available in six sizes.



TEST EVIDENCE

Test evidence is available on request.

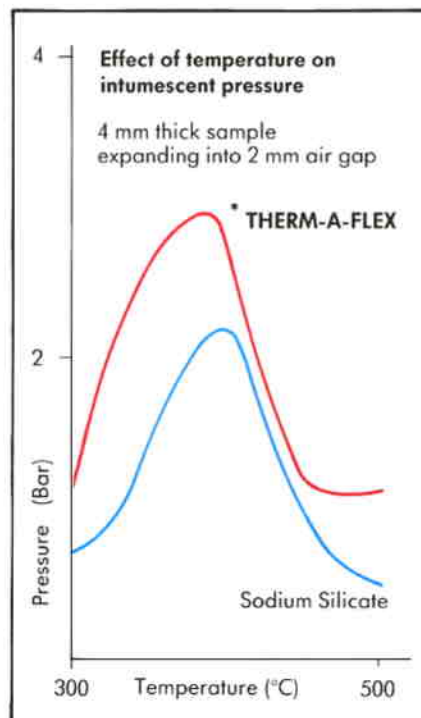
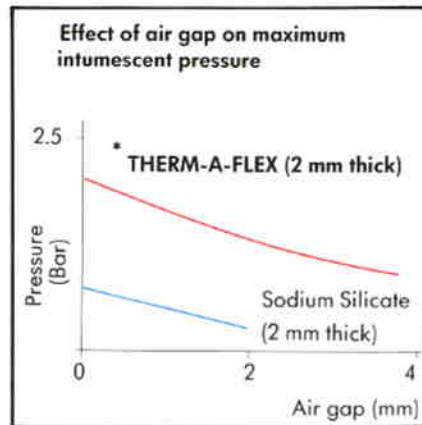
ifsa

The Intumescent Fire Seals Association



PRODUCT DATA SHEET

THERM-A-SEAL



* Core material of THERM-A-SEAL

DESCRIPTION

THERM-A-SEAL is formulated from a unique chemical formulation based on expandable graphite. The seal is supplied in a PVC casing which has a distinctive channel running the complete length of its reverse face. This channel provides a quick and easy visible confirmation of the continuity of the intumescent material.

Unlike many other types of intumescent material, THERM-A-SEAL is not affected by moisture and therefore does not require any further protection; it is also unaffected by carbon dioxide.

AVAILABILITY

THERM-A-SEAL is supplied in standard colours, brown, white, cream and red. Wood grain is available on request.

THERM-A-SEAL is available in the following sizes:

- 10 mm × 4 mm
- 20 mm × 4 mm
- 25 mm × 4 mm
- 38 mm × 4 mm

and in standard lengths of 1050 mm and 2100 mm.

Other sizes and lengths are available on request.

THERM-A-SEAL can be supplied with or without double-sided adhesive tape. Please state your requirements.

ADVICE

Please contact us if you require further assistance.

Intumescent Seals
Unit 3, The Old Brewery,
Pampisford,
Cambridge CB2 4EW.
Telephone (01223) 832758

FAX: (01223) 837215