

# ZERO INTUMESCENT LOCK PACKS

Intumescent lock pack for DIN standard lock cases (as shown on page 144). Comprises FS4004 intumescent gasket to fit both sides of lock case in timber doors. This expands 80 times its own volume in the event of fire and protects the door from burning through in this vulnerable area.

**DESCRIPTION**

2mm thick graphite material, with self-adhesive backing. Pre-cut to suit DIN standard lockcases with 60mm backset. Other sizes to order.

**INSTALLATION**

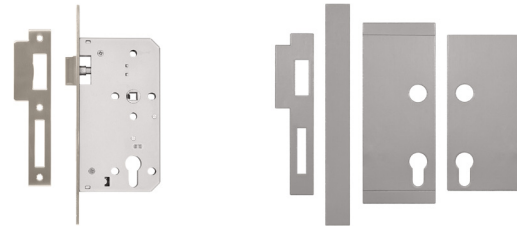
Increase width of mortice when cutting out for lock. Apply to sides of lock using self-adhesive backing and trim to size if necessary. Fit lock in normal fashion, fixing furniture through the intumescent pads.

**TESTING**

ZLP44 is included in WF Assessment Report No 190867 Issue 4 dated 30.03.2010 reviewed and revalidated in WF Assessment Report No 353051 dated 09.06.2015. Products may be fitted to previously tested insulated timber doorsets or uninsulated steel doorsets to provide up to 60 minutes integrity if tested in accordance with BS EN 1634-1:2000, in the proposed configuration i.e. single-leaf or double-leaf.

For 30 minute timber doors the lockcase does not need intumescent protection, but Zero intumescent should be fitted both behind the lock forend and behind the strike plate. For 60 minute timber doors the lockcase must be wrapped with Zero intumescent lock pack. Additionally Zero intumescent should be fitted both behind the forend and behind the strike plate. ZLP44 intumescent lock packs are not required on steel doorsets. ZLP44 is supplied as a complete pack of four pieces, but individual components are available separately.

| REF        | SIZE  |
|------------|---|
| ZLP44      | 4 part complete intumescent lock pack                   |
| ZLP44-650* | 76mm x 165mm individual piece for lockcase side         |
| ZLP44-675* | 25mm x 171mm individual lipped piece for strike plate   |
| ZLP44-750* | 76mm x 190mm individual piece for lockcase side, scored |
| ZLP44-812* | 25mm x 235mm individual piece for forend                |



# ZERO INTUMESCENT HINGE PADS

ZHP44 intumescent hinge pads are fitted behind the hinge on timber doors as this is an area most likely to suffer integrity failure in a fire. In the event of fire, they rapidly expand to provide additional protection and insulate the heat transfer from hinge to door and frame.

**DESCRIPTION**

Cut from 2mm thick FS4004 graphite material, with self-adhesive backing on one side. The activation temperature is 288°C and they expand 80 times their own volume with an expansion pressure of 0.09 N/mm<sup>2</sup>. ZHP44 intumescent hinge pads are supplied in packs of six pre-cut pieces with full installation instructions.

**INSTALLATION**

The depth of rebate should be increased when cutting out for the hinge. Apply the pad to the back of hinge using self-adhesive backing and trim to size if necessary. Fit the hinge in the normal fashion, screwing through the intumescent pads, ensuring hinges are flush with door/frame.

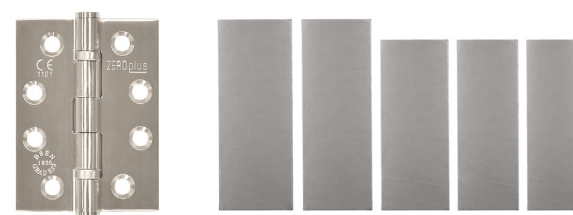
**TESTING**

Intumescent hinge pads cannot be tested as a stand-alone product. Each situation is different. Performance is dependent upon the door specification and hinge specification and the interaction between each of these components. However FS4004 type intumescent is a well proven material which has been included in many successful fire tests in various applications over years. This offers confidence to manufacturers wishing to adopt a reliable hinge pad material where situations demand.

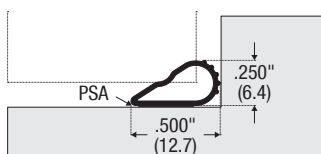
**SIZES**

Hinge pads are available in five sizes to suit all regular size hinges; 102x76mm, 102x89mm, 102x102mm, 114x102mm and 114x114mm. They are available with square corners as standard, but can also be supplied with two 10mm radius corners to suit radius corner hinges. Suffix ref -R instead of -S.

| REF       | SIZE - SQUARE CORNER PATTERNS                            |
|-----------|--|
| ZHP44.1-S | 101mm x 30mm hinge pad to suit 102x76mm (4"x3") hinge    |
| ZHP44.2-S | 101mm x 37mm hinge pad to suit 102x89mm (4"x3½") hinge   |
| ZHP44.3-S | 101mm x 42mm hinge pad to suit 102x102mm (4"x4") hinge   |
| ZHP44.4-S | 114mm x 42mm hinge pad to suit 114x102mm (4½"x4") hinge  |
| ZHP44.5-S | 114mm x 47mm hinge pad to suit 114x114mm (4½"x4½") hinge |

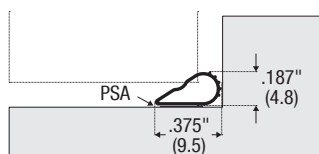


# ZERO SELF-ADHESIVE INTUMESCENT SEALS



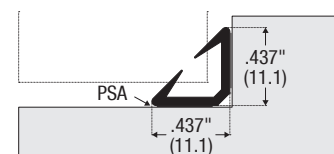
**188FS**

Standard intumescent teardrop seal, black. 12.7mm x 6.4mm. Compress-O-Matic with PSA backing. 100 metre coil.



**488FS**

Mini intumescent teardrop seal, black. 9.5mm x 4.8mm. Compress-O-Matic with PSA backing. 100 metre coil.



**8144FS**

Wing type intumescent seal, black. 11mm x 11mm. With PSA backing.

PLEASE SEE PAGE 65 FOR **NEW** 188FS AND 488FS FIRE AND SMOKE TEST INFORMATION.