

## Intumescent Seals

### Introduction

Interdens® is an intumescent material based on Phosphate with either a glass fibre reinforced or thermoplastic matrix. When subjected to rising temperatures, the product exerts a two phase expansion, the first at 150°C, the second 300°C.

### Description

Interdens® is manufactured in numerous formats, these being as follows.

Type 5	0.6mm thick
Type 15	1.00mm thick
Type 36	2.00mm thick

### Performance

Interdens® has undergone fire tests in many parts of the world to comply with local requirements.

In the UK, these tests have been conducted to BS476 Part 22 and BS EN 1634.

It has also been subjected to ageing tests as part of an ongoing programme developed in the UK by IFSA and in Germany.

When subjected to a fully developed fire, the material produces large volumetric expansion to fill gaps and provides an insulating mass.

### Applications

Interdens® can be used as a fire seal in many situations including, timber fire resisting doors, partitions, glazing, ironmongery and hardware protection

### Finishes

Type 5	White - semi-rigid
Type 15	White - semi-rigid
Type 36	White, red, brown - Semi rigid

Mann McGowan® produces a wide range of seals based on Interdens. For door edge sealing and glazing applications, some of the standard sizes are given below. We also produce ironmongery



and door hardware protection gaskets.

10mm, 12mm, 15mm, 20mm, 25mm, 30mm,

32mm, 35mm, 38mm, 40mm, 45mm, 50mm

Other widths can be produced

### **Ironmongery Protection**

We can manufacture Interdens® and Pyrohinge® intumescent gaskets to suit most leading brands of hinges, latches, closers and associated door hardware including;

Allgood, Cooke Brothers, Dorma, Euro-Spec, Haeefele, Hoppe, Nico, Royd and Tucker, Stanley and Union.

For specific applications, please contact our technical department.

### **Ordering**

Orders can be placed directly with our sales office by phone, fax or email.

Tel: 01223 832 851 Fax: 01223 837 487 Email [sales@firewise.co.uk](mailto:sales@firewise.co.uk)



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