

# INTUMESCENT DAMPERS



- Provides up to 4 hours fire resistance
- Easy to install
- No moving parts
- Low maintenance
- Very cost effective



**abesco**

Setting the standards by which others are judged

## WHAT ARE ABESCO INTUMESCENT DAMPERS?

Abesco Intumescent Dampers are designed to prevent the passage of flame and smoke through or into air movement ventilation ductwork or through air transfer apertures in walls, timber and steel fire doors.

Abesco Intumescent Dampers are manufactured from galvanised channel and comprise horizontal metal blades lined with a heat reactive intumescent material. Abesco Intumescent Dampers are available for circular, rectangular and square ducts and apertures.

## WHY USE ABESCO INTUMESCENT DAMPERS?

- Comprehensively tested by independent fire test authorities in accordance with BS476 part 20:1987 and AS 1530 part 4:1990 & 4072 part 1:1992 for over 4 hours fire resistance
- Meets the requirements of BS5588-9, Sec 6.3 & 6.8
- Rapid closure in fire conditions
- Will provide fire protection for over 4 hours
- Unaffected by moisture or high humidity
- Non toxic inert materials used throughout
- Low Maintenance – No mechanical components to maintain

## WHERE TO USE ABESCO INTUMESCENT DAMPERS?

Abesco Intumescent Dampers should be used to prevent the spread of flame and smoke from the room of fire origin to other compartments and escape routes through ventilation ductwork as outlined in method 1 of BS5588-9.

Abesco Intumescent Dampers can also be installed in timber or steel fire doors, fire compartment walls or partitions where such apertures form part of an air distribution system. Louvre cover plates are also available from Abesco.

## WHAT HAPPENS IN A FIRE SITUATION?

In a fire situation, the intumescent material will expand within the damper fully closing the duct or air transfer aperture to the passage of flame and hot smoke to adjacent voids and compartments.

## HOW TO SPECIFY ABESCO INTUMESCENT DAMPERS

“Supply & install Abesco Intumescent Dampers within ventilation ductwork / air transfer openings in accordance with BS5588-9, sec 6.2.2 or 6.8.2 (b) to provide (\_\_\_) minutes fire protection in accordance with manufacturers recommendations”.

Supplied by: Abesco Ltd, Abesco House, Laurencekirk Business Park, Laurencekirk, AB30 1EY, UK.

## OTHER ABESCO PRODUCTS

Abesco supply a wide range of fire-stopping products which provide the specifier and engineer with cost effective solutions to most passive fire protection problems experienced on today's construction projects.

- Fire Protection Coatings for Combustible Substrates
- Fire Collars and Pipe Wraps
- Fire Rated Mortar
- Fire Rated Boards for multiple service penetrations
- Fire Rated Mastics
- Fire Rated Movement Joints
- “Protecta WB” system - intumescent paint for structural steel protection

## OTHER SERVICES

Abesco can undertake fire safety risk assessments in compliance with fire safety legislation and provide installation of passive fire protection materials.

In addition, project specific fire testing can be arranged for particular site configurations.

## HEALTH & SAFETY / TECHNICAL DATA

A Material Safety Data Sheet and Technical Data Sheet should be read to ensure correct use and handling of this product.

## HOW DO I ORDER?

Your local supplier is:

Abesco Fire Ltd., Abesco House,  
Laurencekirk Business Park,  
Laurencekirk, AB30 1EY, Scotland, UK  
Tel: +44 (0)1561 377766 Fax: +44 (0)1561 378887  
info@abesco.net

Abesco LLC  
Unit 325,  
9561 Satellite Blvd.  
Orlando, FL 32837  
www.abesco.net

