

## FIRE FOAM

Version No. 3

Revision Date: 13/02/17

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### DESCRIPTION

Hodgson Fire Foam is a single component flame retardant construction foam that conforms to DIN 4102-part 1 class B1: EN 13501-1+A1:2010 and EN13501-2+A1. Fire resistance for periods up to 4 hours.

### KEY FEATURES

Excellent adhesion to a wide variety of building materials such as brick, concrete, metal and PVC-U.

Hand applied, foam gun is not required.

High thermal and acoustic insulation properties.

This foam does not contain (H) CFC-PCB or formaldehyde.

Weatherproof and will not rot.

Totally cured foam is chemically inert.

### TECHNICAL APPROVALS

Hodgson Fire Foam conforms to the following standards:

- DIN 4102-Part 1 Class B1.
- Flammability class (EN 13501-1+A1:2010) test method EN ISO 11925-2, EN 13823.
- Fire resistance (EN 13501-2+A1:2008) test method EN 1366-4:2008.

### USES

Gap filling – sealing of partition walls and around pipes and other structures where a fire rated foam is required.

Provides a backing material for joints prior to the application of sealants.

To maintain insulation to cavities and joints in structures.

General gap filling applications.

Installation of windows and doors.

Thermal and / or acoustic insulation.

### PERFORMANCE

**Tack free time:** ≤10 minutes (+23°C @ 50% RH).

**Cutting time:** ≤60 minutes (+23°C @ 50% RH).

**Dimensional stability (%):** ≤5%

**Thermal conductivity:** 0.036 W/mK

**Full cure:** 24 hours.

**Fire resistance (EN 13501-2+A1:2008) test method EN 1366-4:2008:**  
Class EI240 - For gaps with width 10 mm and depth 200 and 240mm, or with width 20 mm and depth 240mm in construction made of aerated concrete blocks.

**Flammability class (DIN 4102):** Class B1 - For linear gaps with maximum width 30 mm and maximum depth 80 mm between monolithic, mineral or metal construction materials.

**Flammability class (EN 13501-1+A1:2010) - test method EN ISO 11925-2, EN 13823:** Class Bs1d0

**Note:** Hodgson Fire Foam must be protected from UV light either by painting it or covering it with a trim, plaster, mortar etc.

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### APPLICATION

#### PROPERTIES

**Application and ambient surface temperature range:** +10°C to +30°C

**Can / applicator temperature range:** +10°C to +30°C (+20° for optimal performance).

**Shelf life:** 12 months, **always** store and transport in an upright position (in order to avoid blockage of the valve), in cool dry conditions between +5°C and +30°C.

**Note:** Carefully read the health and safety information contained in the material safety data sheet before use.

#### INSTRUCTIONS

**Before use:** put on protective gloves.

**Surface preparation:** All surfaces must be clean, and free from oil, grease and loose materials.

Spray / moisten surfaces with clean water before use as this will improve both expansion and adhesion of the product.

Shake the can of foam thoroughly (for at least 30 seconds) before application in order to thoroughly mix the foam components.

Screw the applicator onto the can. Only using the can upside down, with the valve facing down: commence foaming at the lowest point of the joint and proceed carefully until familiar with the extrusion rate. Fill the cavity about half full of foam as post expansion will totally fill the cavity.

After application the foam can be cut as soon as it has cured. Uncured foam can be removed using acetone or PU foam cleaner but care must be taken not to damage surfaces.

Hodgson Fire Foam must be protected from exposure to UV light after curing (e.g. with paint or plaster). Failure to do so will degrade the foam.

The rate of cure is fully dependant upon temperature and humidity. Low temperatures and humidity will slow the rate of cure. Poor adhesion to low surface energy materials such as PE, PP, PA, silicone and PTFE can be expected.

#### PACKAGING

750ml canister - 12 per case.

#### ESTIMATING QUANTITIES

One full can produces between 35 to 42 litres of free expanded foam. Depending upon application temperature and humidity.

This represents a gap filling capacity of between 20 – 26 litres in a 30 x 100 x 35 (WxLxD) gap.

#### HEALTH AND SAFETY

Please consult the Product Safety Data Sheet prior to using this product.

#### GENERAL

Hodgson Fire Foam is part of a full range of fire resistant sealants and tapes designed for the professional user. For further information please contact our Customer Care Team or visit our Website.

*The information given in this product data sheet is based on laboratory tests and experience which we believe to be correct. Properties quoted are typical and do not therefore constitute a specification. In view of the wide range and variability of substrates, we would advise that our product should be tested by the user to establish suitability for its intended application. E &OE.*