



Fire and Acoustic Foam

Fire and Acoustic Foam for wide linear joints

As part of the comprehensive Firepro range of fire protection products, Rockwool Corofil Fire and Acoustic Foam is suitable for filling gaps in fire rated block/brickwork walls and concrete floors. Tested to BS476 Part 20, Fire and Acoustic Foam has been shown to give up to 4 hours fire protection.

Advantages

- Fast and simple to install
- Suitable in joints of up to 45mm wide
- Excellent adhesion
- Acoustic properties
- Insulation benefits
- Maintenance free
- Available within 48 hours of order

Description

Fire and Acoustic Foam is a one part, moisture curing polyurethane foam. The foam is supplied in 700ml cans and is available in either hand held or gun grade cans.

Installation Instructions

Joints should first be clean, dry and free from dust, grease or any other loose material. The surfaces should be lightly moistened to ensure good adhesion. The can must be shaken vigorously for approximately 30 seconds and then the nozzle screwed onto the valve. The can is then inverted and the trigger depressed to extrude the foam.

Fill the joint to approximately half its width allowing the foam to expand. With larger joints it may be necessary to allow one layer to cure before foaming another layer on top.

The foam is tack free in approximately 20 minutes and fully cured within 2 to 4 hours.

Do not cut back the face of the foam once it has cured, as this will seriously reduce the fire resisting characteristics.

Fire and Acoustic Foam can be identified from other builders' foam by its pink colour in the cured state.



Performance and properties

Fire Ratings

Joint Size	Seal Depth	Joint Configuration	Fire rating	
			Integrity	Insulation
15mm	120mm	Fire and Acoustic foam only – wall	71	69
15mm	220mm	Fire and Acoustic foam only – wall	240	240
15mm	200mm	Fire and Acoustic foam only – floor	206	206
20mm	180mm	Fire and Acoustic foam only – wall	86	86
20mm	140mm	Fire and Acoustic foam only – floor	115	113
30mm	220mm	Fire and Acoustic foam/Linear Firestop 2* (60mm wide) wall	240	240
30mm	250mm	Fire and Acoustic foam/Linear Firestop 2* (100mm deep) floor	240	240
45mm	220mm	Fire and Acoustic foam/Linear Firestop 2* (100mm wide) floor	240	240
45mm	250mm	Fire and Acoustic foam/Linear Firestop 2* (100mm deep) floor	240	240

Fire and Acoustic Foam being a component of structure satisfies both the integrity and insulation requirements as shown in the table above.

*For information on Linear Firestop 2 please refer to Linear and Trapezoidal Firestop Systems data sheet

Acoustic Performance

Weighted Sound Reduction Index (Rw) of up to 57db, dependent on:

- Wall/Floor construction
- Required acoustic rating

Contact Technical Helpline for more details.

Coverage

1 × 700ml can will yield up to 30ltr of foam.

Specification

Install Rockwool Corofil Fire and Acoustic Foam, using appropriate backing materials, into all joints up to 45mm wide to provide up to 4 hours fire protection. Installation to be fully in accordance with manufacturer's instructions.



Building Regulations 2000 – Approved Document B – B2/3/4
– Internal fire spread (structure), paragraphs 0.10 – 0.11, state that the spread of fire inside a building can be restricted, by provisions for elements of structure to have a specified minimum period of fire resistance. Fire resistance is defined in terms of both integrity and insulation requirements when applied to fire separating elements.

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