

FP200 FR Expanding Foam



technical datasheet



- Extremely versatile solution
- CFC free
- Excellent fill capabilities
- Very easy to install and finish
- Excellent smoke and draft seal capabilities
- Sound dampening capabilities
- Paintable and stainable
- Easily trimmed after curing
- Excellent adhesion to most building substrates
- Unaffected by moisture or humidity when cured
- Cures to provide a strong semi-rigid seal

Product Description

Abesco FP200 FR Expanding Foam is a single pack fire rated polyurethane expanding foam, and is designed to prevent the spread of fire and smoke from one compartment to another through construction joints, gaps and voids or openings for service penetrations in fire rated walls and floors, and provides up to 4 hours fire resistance.

Abesco FP200 FR Expanding Foam has excellent adhesion properties to most common building surfaces and when cured provides a strong semi-rigid fire rated seal. Once fully expanded and cured, Abesco FP200 FR Expanding Foam is unaffected by moisture and does not degrade in high humidity conditions. Abesco FP200 FR Expanding Foam is an extremely versatile product and as such is well suited for use in a wide range of other applications.



Testing and Performance Data



Tested in accordance with the methodology and criteria described in:

BS 476-20 (up to 4 hours)
EN 1366-3 (up to 4 hours)
ASTM E-814 / UL 1479
(Classified 1 & 2 hour systems)
ASTM E-84 (Flame 10, Smoke 35)
ASTM E-662 | ASTM E-162



FILL VOID OR CAVITY MATERIALS
FOR USE IN THROUGH PENETRATION
FIRESTOP SYSTEMS SEE UL
DIRECTORY OF PRODUCTS
CERTIFIED FOR CANADA AND UL
FIRE RESISTANCE DIRECTORY 86JY

abesco

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Basic Abesco Product Groups :

- FR Sealants
- Cable Transit Devices
- Pipe Collars
- FR Expanding Foam
- FR Mortar
- FR Putty

Application

Abesco FP200 FR Expanding Foam is suitable for use in most buildings where a seal is required for through penetrations in fire rated floors and walls. It has excellent adhesion to various surfaces like concrete, brick, wood, metal, aluminum and steel. It has no adhesion to polyethylene, silicone and teflon. Easy wet cleanup using Acetone, M.E.K., & Lacquer Thinner.

Installation Methods

1. Ensure surfaces are firm and free of dust, loose particles and grease.
2. As Abesco FR Foam dries by moisture absorption, all surfaces should be moistened well with water before application of the foam.
3. Shake the can thoroughly 15 - 20 times. Attach the adapter to the can, taking care not to over-tighten or activate the valve during this process.
4. The can should be turned upside down with the adapter and valve pointing downwards for application of the foam. The best application temperature is 68 - 77°F (20 - 25°C)
5. The foam should be applied into gaps and openings from the bottom first, working up as each layer is allowed to part cure. Care must be taken not to insert excessive quantities of foam at one time as the rapid expansion will lead to overspill and unwanted post expansion. Foam extrusion can be controlled accurately by varying the pressure or side to side and tilting the adapter. The applied volume of foam will expand 2-3 times its original volume, therefore the foam should be inserted into a maximum 50% of the volume to be filled. Avoid emptying the entire can onto a enclosed location without moving the nozzle to obtain even filling, this will help with even curing and eliminate liquid or un-foamed voids.
6. Moisture is needed to ensure rapid and even curing of the foam and care must be taken to ensure surfaces are kept moist during application (a watering spray for plants is a good tool to use for this purpose). This is especially important for hot or dry climates.
7. After 12 hours, hardened foam can be cut or sawed away with a small saw or knife to leave a neat finish. Painting or staining with acrylic or latex based paints or stains can be done.

Physical Properties

- Application temperature: minimum 5°C (41°F) (surfaces), 20°C-25°C (68°F-77°F) (Can)
- Can must be inverted for dispensing
- Flammable during dispensing
- Tack free time: 5 - 10 minute, depending on temperature and humidity
- Cure time: 20 - 25 minutes 38mm (1.5" Dia.), depending on temperature and humidity
- Hardening time: 1.5 – 5 hours, depending on temperature and humidity
- Foam when cured has around 60% closed cell content
- Specific gravity : 22 – 26 kg/m³
- Water absorption: maximum 1 % volume
- Temperature resistance: - 40°C to + 90°C (- 40°F to + 194°F)
- Tensile strength: 0,071 - 0,076 MPa
- Elongation at break: 15 - 20 %
- Free expansion: 120%
- Flame and smoke index: 10 & 35, Class A Rating
- Flammability class: B1 according to DIN 4102, part 1
- Storage: 1 to 1.5 years 10°C to 20°C (+50°F to +68°F)
- Higher and lower temperatures can shorten storage life. Must be in vertical position (upright).
- VOC: 186.1 g/L in can, less than 2 g/L cured (10+ days)
- STC: 38
- Dielectric Constant (relative static permittivity) 1.2
- R: 7/inch (2.54 cm)
- Asbestos free

Ordering Information - Worldwide

Item	Case Qty.	Color	Size
20424	12	Pink	24 oz.
20410	12	Pink	10 oz.

Pallet quantity of 24 oz. cans: 816

Pallet quantity of 10 oz. cans 1,500

Product should be shipped ground or ocean for easiest transport

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