



FP312 FIRE RETARDANT COATING

FIRE RETARDANT ABLATIVE COATING

TECHNICAL SHEET 22/08/2025



KEY FEATURES

- CE-marked
- Easy to apply - spray grade
- Up to 4-hour fire resistance
- High sound insulation

DESCRIPTION

Sprayable ablative coating specially designed to enhance, seal and fire protect stone wool fibres. The coating dries to give a flexible white surface finish. Stone wool fibres coated with Bostik FP312 Fire Retardant Coating prevent the spread of fire and smoke through openings in fire rated walls and floors where openings are formed to allow the installation of multiple building services. The system will contribute maintaining the acoustic design performance.

Bostik FP312 Fire Retardant Coating is based on a durable polymer system with inert fillers, non-halogenated fire retardants and a preservative to resist microbial attack. Bostik FP312 Fire Retardant Coating is designed to be applied via spraying directly onto mineral fibres. The coating dries to give a sound, flexible white surface finish. During installation of mineral fibres, the cured sealant coating reduces de-lamination and increases surface stability for adhesive and fixing sealant application.

APPLICATIONS

The ablative property of Bostik FP312 Fire Retardant Coating resists flame spread and protects the mineral fibres against fire penetration by significantly reducing the permeability of the mineral fibre core and prevents the passage of hot gases, thus reducing the temperature rise on the unexposed side and reducing heat conduction through the building services.

Mineral fibres coated with Bostik FP312 Fire Retardant Coating are designed to prevent the spread of fire and smoke through openings in fire rated walls and floors, also where openings are formed to allow the installation of multiple building services. The system will also maintain the acoustic design performance. Suitable for most surfaces, included concrete, masonry, steel, gypsum, glass, plastics and most non-porous surfaces. Bostik FP312 Fire Retardant Coating can be applied in combination with e.g. Bostik FP310 Intumescent Acoustic Acrylic, Bostik FP320 Fire Batt and Bostik FP340 Pipe Wrap.

FEATURES

- Certified to the latest European standard EN 1366-3 & 4
- CE Marked to EAD 350141-00-1106 & EAD 350454-00-1104
- Fire resistance up to 4 hour
- Permanently flexible - will accommodate movements during fire and smaller movements in the construction it has been fitted within
- Easy and very quick to apply
- The coating applied on mineral fibres is classified for all types of constructions with or without building service penetrations
- May be used in unlimited lengths in walls with heights up to 1200mm and in floors with widths up to 120mm
- May be installed in gypsum walls without framing around the opening
- Paintable with most water based and alkyd paints
- Easy to clean
- Once fully cured, resistant of water and frost

METHOD OF USE

Before applying Bostik FP312 Fire Retardant Coating on the stone wool core ensure that the surface of all surrounding constructions is free from all loose contaminants, dust and grease. The stone wool should be dry and sound, and any large loose pieces should be brushed off before applying/spraying. To secure high density stone wool boards, seal between the stone

wool and the surface of all surrounding constructions on both sides with Bostik FP310 Intumescent Acoustic Acrylic which will act as an adhesive.

Spray or brush Bostik FP312 Fire Retardant Coating to the stone wool in smooth strokes and with the minimum of overapplication to achieve an even wet film thickness and consistent drying across the stone wool. The minimum required wet film thickness is 1.0mm and is usually achieved when the surface is to a satisfactory proper white finish when dry. Overapplication can increase drying times. Drying times will depend on film thickness, ambient temperature and humidity and may be reduced by using drying ovens and/or fans. Bostik FP312 Fire Retardant Coating can be over-painted with most water based and synthetic paints. Tools should be cleaned after use with water. Hands can be cleaned with water and soap. Before application consult the installation instructions and ETAs to ensure to achieve the intended fire resistance.

LIMITATIONS

- As Bostik FP312 Fire Retardant Coating is water based, in cases where corrosion protection is a problem; some metals may require a barrier between the coating and the metal surface prior to installation.
- Bostik FP312 Fire Retardant Coating is not intended for application on bituminous substrates or substrates that can extrude certain oils and plasticizers or solvents.
- The coating is not recommended for use in submerged joints or areas exposed to high abrasion.

CERTIFICATION / TEST REPORTS

- ETA 21/0555 & ETA 21/0553
- UL-EU certificate
- M1 certificate
- A+ French VOC Regulation
- LEED certificate

SOUND INSULATION

Double sided 1.0mm wet film thickness on both sides of minimum 50mm thick stone wool with density minimum 160 kg/m³: Rw 55 dB.

Bostik FP312 Fire Retardant Coating has been tested according to EN ISO 10140-2:2010.

STORAGE STABILITY

Store in unopened packaging in dry conditions between +5 and +30°C. Avoid FROST and extremes of temperature. Shelf life 12 months after production. Has a limited shelf life once packaging has been opened.

FURTHER INFORMATION AVAILABLE ON REQUEST

- Material safety data sheet

TECHNICAL DATA

Base	Durable polymer system with inert fillers
Form	Ready to use viscous paste
Cure system	Water loss
Solid content	> 58%
Application temperature	+10°C to +30°C
Temperature range	-30°C to +80°C
Flash point	None
Density	1.35 g/ml
Tack free	Max. 75 minutes
Curing time	3 to 5 days depending on thickness and temperature
Movement capability	Low to medium, 12.5%
Durability	Class Z2
Working life	Up to 25 years when used as recommended
Packaging	Plastic pail 8 litres
Article number	30614868 pail 8 litres, white
Pallet quantity	48 pails

DISCLAIMER

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Bostik Bostik Benelux BV
Denariusstraat 11
4903 RC Oosterhout
T: +31 (0) 162 491000
www.bostik.com

BOSTIK HOTLINE

Smart help +31 (0) 162 491000



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