



Abesco Ablative Coating

Technical Data Sheet

Product Description

Abesco FR Ablative Coating is a co-polymer based flexible coating designed for application to high density mineral wool boards when used in fire protection applications. The coating will provide a cold smoke seal around perimeter openings and through penetrations. In a fire the coating will delay the passage of hot gases and heat conduction through the mineral wool board thereby providing enhanced insulation values on the board surface and along the through penetrations. FR Ablative Coating does not support combustion and will therefore restrict the spread of flame across its surface. FR Ablative Coating can be used as an adhesive and also a fibre encapsulant to prevent release of loose fibres. FR Ablative Coating is suitable for internal and external applications and will protect the mineral wool board from moisture absorption. The coating can be applied by airless spray or by brush to a recommended dry film thickness of 1mm. FR Ablative Coating is a constituent part of the Abesco FR Board fire-stopping system.

Physical Properties

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| Composition: | Water-based co-polymer emulsion containing fire retardant fillers |
| Colour: | White |
| Specific Gravity: | 1.33 |
| pH Value: | 7-9 |
| Vol. Solids: | 55% w/w |
| Toxicity: | None |
| Coating Thickness: | Wet 1.8mm, Dry 1.00mm |
| Drying Time: | Touch—3 hours Cured—18 hours |
| Application Temp: | +5°to +50°C |
| Service Temp: | -30°to +80°C |
| Storage: | 5-30°C |
| Shelf Life: | 1 year minimum |
| Cleaning: | Use water |
| Moisture Resistance: | Fully resistant to moisture |
| Ageing: | Will not age or deteriorate. Resistant to UV degradation |

Application Instructions

1. Application of FR Ablative Coating should be in conjunction with the technical data sheet for Abesco FR Boards.
2. Once the mineral wool fire-stopping system is installed, the adjacent area around the opening should be masked. FR Ablative Coating should be applied by spray or brush to the perimeter of the board and for up to 50mm around the opening.
3. Any damage to the factory applied coating should be repaired ensuring a dry film thickness of approx. 1 mm. This can be achieved with 1 coat, brush or spray applied.
4. The coating should be applied along through penetration services for a distance of 100mm from the surface of the board. This is normally achieved by brush. For coating cables located on cable trays or ladder racks, mechanical separation of closely bunched cables is recommended to ensure the coating is evenly distributed around all cables.
5. Ensure the penetrating services are free from grease and oil before application of the coating.

Abesco FR Ablative Coating is free from asbestos and solvents.

Test Standards

Tested in accordance with the methodology and criteria described in:

- BS 476, Part 20 : 1987
- BS 476, Parts 6 & 7 : 1987 — Class '0'

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