Uniclass Specification

Adexon-FC180EI Vertical Fire Curtain (Integrity & Insulation)

Pr_25_80_79_94 Vertical active fire curtain barriers (Adexon Vertical FC180EI)

1. Description: A vertically operating active fire curtain barrier with in-built integrity (E) and insulation (I) rating. This limits and controls the spread of fire (E) while also reducing temperatures on the face of the curtain to <140°C (I), with the maximum classification of 180 minutes. Works in conjunction with a sprinkler system.
2. Manufacturer:
   Adexon Fire & Smoke Curtains
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3. Product reference: Adexon-FC180EI Vertical Fire Curtain (Integrity & Insulation)
4. Operation: Automatic, using 24V DC tubular motors, controlled by an electronic control board. Standard single curtains require dedicated 230V AC, in a 6-amp fuse spur.
5. Standards:
   - 5.1. Barrier assemblies: CE Marked to BS EN 16034
   - 5.2. Test standards: Safety & performance to BS EN 16034, Fire resistance to BS EN 1634-1, in accordance with BS EN 13501-2
6. Third-party certification: Applus+ Certificate AFP-1974
7. Size: Curtain max. dimensions - 22 x 17m (width x height)

   Determine project requirements on a curtain-by-curtain basis through detailed design and scheduling. Refer to drawings for locations
8. Performance:
   - 8.1. Durability class: C1
   - 8.3. Fire resistance: EI 180 (requires a minimum water irrigation of 0.34m3/h·m2 for all curtain area)
10. Deployment: Determine requirements on a curtain-by-curtain basis
11. Activation: As advised by the Client's Designers, may vary on a location-by-location basis
12. Finish: All headbox and rail components shall be made from galvanised steel as standard. Powder coating available (C1-5) to RAL colour to be advised by the Client's Architect.
13. Accessories: Determine requirements on a curtain-by-curtain basis

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