FireMastic-HPE

High Pressure Exerting Intumescent Sealant

Physical Properties

FireMastic-HP is a graphite-based, thixotropic, one-part acrylic emulsion that is designed to resist the passage of fire and smoke. Under heat, FireMastic-HPE will expand with enough pressure to close combustible pipes and seal around cables and metal pipes to maintain the integrity and insulation performance of the seal, yet without placing any unnecessary pressure on the building substrate.

KEY FEATURES

- Closes plastic pipes in a fire up to 80mm diameter.
- Easy gunning and tooling
- Internal use only, can be painted.
- Seals around power and data cables and large cable bundles.
- Approved on a wide range of single and double layer plasterboard systems.
- Easy clean up with water.

TECHNICAL DATA

| Sizes:	310ml / 600ml
Product code:	FMHPE-3 / FMHPE-6
Colour:	Charcoal Grey
Density:	1.23-1.33g/cm³
Application Temperature:	+5°C to 30°C
Expansion Onset Temperature:	180°C
Cure rate:	1.7mm per 24 hours. Cure for min 28 days curing before fire exposure.
pH:	6-9
Skin time:	15 minutes @ 25°C/50%RH
Manufacture:	ISO 9001:2008
FRL:	Up to -/120/120
Acoustic Rating:	Up to Rw (C;Ctr): 64 (-2;-7) in partition. Rw (C;Ctr): 52 (-1;-6) sealant only.
Certification:	AS1530.4: 2014, AS4072.1-2005, EN ISO 10140-2:2010
VOC:	18g/Litre SCAQMD

PRODUCT INSTALLATION

1. Ensure that the gap, aperture and/or services in question are tested with BOSS FireMastic-HPE and the site conditions are within the application specification.

**2.** Cut the appropriate size aperture in accordance with the tested system.

3. Ensure the opening and any surface / substrate which the product will come into contact with is clean, dry, free of dust and loose particles and free from oil or grease.
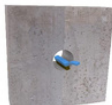
4. Mask the surface of the wall if an aesthetic finish is required. Install the service and pack the aperture if required with foam backing road to control the sealant depth on each side in accordance with the tested or certified system.

5. Cut nozzle to required bead size and apply sealant around the service and fill the void to the surface of the substrate using an appropriate caulking gun. Best results are achieved if filling is started at the bottom of the void and working upwards.
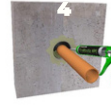
6. If a fillet of sealant is required, measure the required fillet size along the service from face of the substrate, and again the distance along the substrate from the service. build up a fillet of sealant around the surface and back to the wall. Apply sealant, building up the fillet to the required distance out from the substrate and service.

7. Smooth out sealant with a wet spatula within 5minutes for professional finish.