

# QUELSTOP INTUMESCENT HPE GRAPHITE SEALANT

**QuelStop Intumescent HPE Graphite Sealant** is a high expansion intumescent acrylic based graphite sealant used to provide a fire rated linear joint or gap seal and to maintain the fire rating of walls and floors where they have been penetrated by services.



QuelStop Intumescent HPE Graphite Sealant cartridges



QuelStop Intumescent HPE Graphite Sealant used around service penetrations through walls



QuelStop Intumescent HPE Graphite Sealant used around service penetrations through floors

## FEATURES & BENEFITS

- Up to 4 hour fire rating (EI240)
- Suitable for use in flexible walls, rigid walls and floors
- Suitable for use in QuelStop Fire Batts
- Suitable for linear joints up to 20mm wide
- Suitable for use around cables, cable bunches, cable trays and cable ladders
- Suitable for use around plastic pipes, metallic pipes and insulated non-combustible pipes
- Suitable to use with Lubrizol CPVC piping systems and materials, such as FlowGuard® pipe and fittings and BlazeMaster® fire sprinkler systems
- Suitable to use with Spears® CPVC Products, such as FlameGuard®, LabWaste® and EverTuff®
- Suitable for low movement joints and remains flexible

## STANDARDS & APPROVALS

- Fire resistance testing to BS EN 1366-3:2009
- Fire resistance testing to BS EN 1366-4: 2006
- Classified to EN 13501-2: 2007 + A1: 2009
- FBC™ System Compatible
- Spears® product compatible



The Warringtonfire Logo is used by Quelfire Limited in the United Kingdom under licence from Warringtonfire and is evidence that the products denoted as 'Tested by Warringtonfire' were tested to BSEN 1366-3: 2009 in England between September 22nd 2015 and June 21st 2019.



FBC™ System Compatible indicates that this product has been tested, and is monitored on an ongoing basis, to assure its chemical compatibility with FlowGuard Gold®, BlazeMaster® and Corzan® piping systems and products made with TempRite® Technology. The FBC System Compatible Logo, FBC™, FlowGuard Gold®, BlazeMaster®, Corzan® and TempRite® are trademarks of Lubrizol Advanced Materials, Inc. or its affiliates.



Tested and evaluated by Spears® for acceptable use with Spears® CPVC Products including FlameGuard®, LabWaste® and EverTuff®.

## APPLICATION

All surfaces must be clean and free of any bond breaking contamination prior to application of the sealant. Mineral Wool (min 80kg/m<sup>3</sup>) or PE backing rod, where required, can be used as a backing material to ensure the correct depth of QuelStop HPE Intumescent Graphite Sealant is applied in order to achieve the required performance. The sealant should not be applied if the ambient temperature is below 5°C or above 40°C, as the adhesion may be impaired. The QuelStop Intumescent HPE Graphite Sealant should be installed to the correct annulus and depth depending on the penetrating services / material specification. The total annular space should be filled with compacted QuelStop HPE Sealant. Once compacted, smooth off the QuelStop Intumescent HPE Graphite Sealant to produce a professional and neat finish. QuelStop Intumescent HPE Graphite Sealant is expected to last the lifetime of the building.

# QUELSTOP INTUMESCENT HPE GRAPHITE SEALANT



QuelStop Intumescent HPE Graphite Sealant used in conjunction with QuelStop Fire Batt around service penetrations through walls



QuelStop Intumescent HPE Graphite Sealant used in conjunction with QuelStop Fire Batt around service penetrations through floors

## SIZES

310ml cartridge (25 per box)

## ADDITIONAL DATA

Density	Ca. 1.23 – 1.33g/cm <sup>3</sup>
Shore Hardness A	68
Colour	Black
Expansion Temperature	Ca. 180°C
Expansion	7 bar
Expansion Pressure	Up to 20 times
Skin Time	15 minutes at 25°C / 50% Relative Humidity
Cure Time	1.7mm per 24 hrs
Shelf Life	18 months unopened
pH	06 - 09
Air Permeability	600Pa – 100Pa 11.1/16.7 m <sup>3</sup> /h/m <sup>2</sup>
Acoustics	Rw(C;Ctr): 52 (-1;-6) dB
Durability	Type Z <sup>1</sup> , intended for use in internal conditions

## SAMPLE SPECIFICATION

Install QuelStop Intumescent HPE Graphite Sealant to provide up to 4 hours fire protection to penetration services through wall and floors. Installation to be in accordance with manufacturer's instructions.

**WARRANTY** The Company warrants its products to be free from defects in material and workmanship for a period of 12 months from the date of delivery. The Company's obligation under this warranty is limited, as its option, to the repair or replacement, free of charge, or refund of the net invoiced price of any part found to be defective, and which, in the Company's opinion, has not been subject to undue wear and tear, accident, alteration, abuse or misuse. Consequent damages are expressly disclaimed. Technical advice from Quelfire whether verbal, in writing or by way of trials, is given in good faith but without warranty. The application, use and installation of the Company's products are beyond the control of the Company, and the purchaser is solely responsible that goods are fit for any particular purpose. In line with the Company's policy of continual research and development, product specifications and availability are subject to change or withdrawal without prior notice.

Quelfire maintain a policy of constant improvement and reserve the right to alter or amend the specifications of their products without notice. Quelfire is a Registered Trademark.

## TECHNICAL SUPPORT & GUIDANCE

Should you require any further information regarding this product, please don't hesitate to contact one of our specialists.