



## StoneShield High-Temperature Adhesive Sealant

### Overview

StoneShield High-Temperature Adhesive is a proprietary silicate-based refractory sealant engineered for passive fire protection systems. Designed for use in conjunction with fire-rated collars, barriers, and seals, it maintains integrity in high-heat environments and supports rated fire seals up to 120 minutes.

### Key Features

- Silicate-based, non-toxic refractory adhesive
- High-temperature resistance (up to 1200°C)
- Excellent adhesion to metals, concrete, and fireproof fabrics
- Low VOC and odor-free
- Cartridge format (310 ml) for standard caulking guns
- Compatible with EN 1366 testing protocols

### Technical Specifications

Feature	Specification
Base	Potassium silicate refractory
Color	Off-white
Consistency	Paste for cartridge delivery
Temperature Performance	Maintains seal up to 1200 °C
Fire-Rating	Maintains fire-proof integrity up to 120 min (when used per system guidelines)
Curing Time	60 min skin formation (@23 °C/50 % RH)
Shelf Life	18 months in unopened cartridge
Storage Conditions	Store in cool, dry place (5–30 °C)

### Applications

- Fixing fire collars around pipe penetrations
- Sealing joints in fire-rated barriers (e.g. fabric barriers, fire blankets)
- Bonding intumescent strips and brush seals
- Use in HVAC, cable trays, ceiling/wall penetrations

### Compliance & Standards

- CE Marked
- RoHS Compliant
- Tested to EN 1366-3 (Penetration seals: Pipe)

- • Meets EN 13501-2 fire classification
- • Suitable for use with EN 14366 and EN 1366-approved systems

### Packaging & Ordering

Item	Details
Cartridge Volume	310 ml
Case Quantity	12 x 310 ml cartridges
Shelf Life	18 months
Storage	5–30 °C, protected from frost

### Application Instructions

1. Ensure surfaces are clean, dry, and free from dust or grease
2. Cut cartridge nozzle to desired bead size and load into standard caulking gun
3. Apply a continuous bead of adhesive around penetration or joint
4. Embed bracket/collar fabric and smooth excess adhesive
5. Fire testing recommended to confirm system integrity compliance

### Safety & Handling

- • Store out of direct sunlight
- • Avoid skin and eye contact—wash thoroughly if exposed
- • Use in well-ventilated areas
- • Read Safety Data Sheet before use

### Contact & Support

For further information, installation support, or quotations:

StoneShield Fire Protection

+44 (0)1524 599600

sales@stoneshield.co.uk

the old timber yard off willow lane lune ind estate Lancaster LA1 5NA