

Firebreak Flexi-Seal Coating

PRODUCT DATA SHEET

Fire seal system for large movement joints



Firebreak Flexi-Seal coating is a specially formulated highly flexible fire-resistant coating designed for use in conjunction with stone mineral wool to provide large movement joints in fire separating construction and in particular gaps between floor slab edges and external walls in multi-storey buildings.

Key features and benefits

- Independently tested to BS476 Parts 20/22 and BS EN 1366-4: 2006 providing up to 4 hours fire resistance
- Gap sizes up to 375mm
- Installed in conjunction with 80kg/m³ stone mineral wool
- Good acoustic performance
- Excellent movement capability (+/- 50% at -5°C to +95°C)
- Fire tested following repeated dynamic movement cycling
- Tested for air permeability up to 600Pa overpressure
- Water permeability testing up to 450Pa
- Durability testing to latest EN requirements

- Non-toxic, low smoke, mould resistant and halogen free
- Quality assured including ISO 9001 and independent third party product certification

Typical applications

- Large movement joints between fire separating walls/concrete floors and external wall structures
- Joints at the head of fire separating walls to allow for deflection movements of floor slabs
- Sealing gaps designed to accommodate seismic movement between fire compartment walls and floors
- Isolation joints designed to combat structural vibrations

Testing and certification

- Extensive testing to EN 1366-4: 2006 providing up to 4 hours fire resistance to linear gaps
- Mechanical and durability testing to ETAG #026-2

- Third party product certification with Warrington Certification (Certifire Certificate # CF 5519)
- Acoustic testing to BS EN 101440-2: 2010
- Evaluated for air permeability to the requirements of BS EN 1026: 2000
- Water permeability tested to BS EN 1027: 2016
- EN reaction to fire classification B-s1, d0 to BS EN 13501-2
- VOC Tested ASTM D2369-10, LEED 2009-EQ 041 SCAQMD

For detailed seal specifications please refer to technical data sheet.

Since the product is applied under circumstances beyond our control, Neutron Fire Technologies Limited can accept no direct or consequential liability whether in contract or in tort, for the interpretations of such recommendations and reserves the right to modify the recommendations as necessary.

