Elite Fasteners®

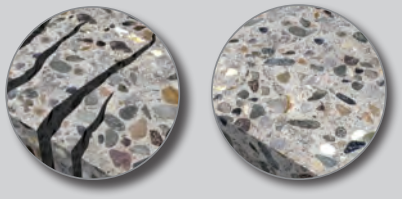
Specialist Distributors To The Construction Industry

fischer
Building Envelope Solutions

fischer

innovative solutions

FAZ II Anchor Bolt - High performance steel anchor



ETA-05/0069
ETAG 001-2
Option 1 für gerissenen Beton
Seismische Leistungskategorie C1

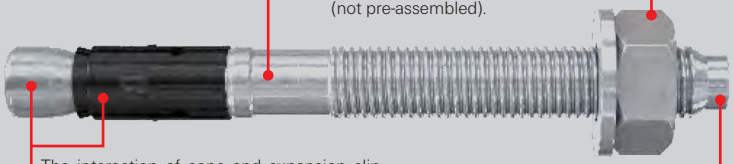
Fire resistance classification R 120
Anchor types see test report

ZTV 1200 °C
anchor types see test report (only FAZ II C)

SEISMIC

The distinctive edge holds the expansion clip in position even with reinforcement hits, thus ensuring safe installation.

With a choice of pre-assembled normal washer or large washer GS and with washer HBS in compliance with wood construction standard DIN 1052 (not pre-assembled).

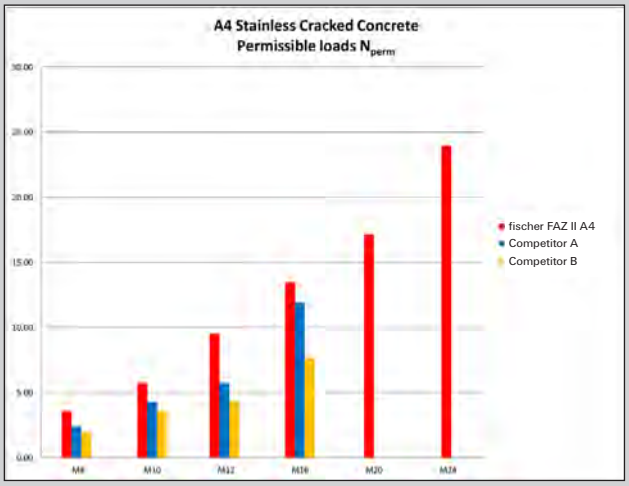


The interaction of cone and expansion clip significantly increases load-bearing capacity and makes minimum edge distance and axial spacing possible. For use under maximum load requirements.

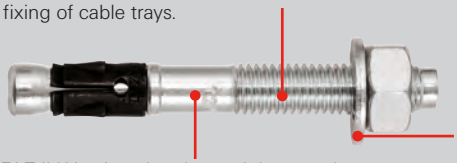
The protruding hammer-in pin protects the thread from damage during setting.

NEW! Market introduction of the FAZ II M6.
- Smallest diameter ETA certified
- The first bolt anchor M6 Option 1 in the world

ETA-05/0069
ETAG 001
Option 1 for cracked concrete
seismic performance category C1, C2



FAZ II K Anchor Bolt - Shorter Version
The shorter bolt with reduced embedment depth is the economic choice for numerous applications such as substructures for façades and the fixing of cable trays.



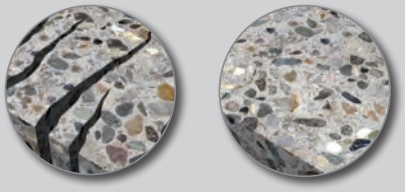
With a choice of normal washer or large washer GS.

FAZ II K in zinc-plated or stainless steel versions can be used up to a fixture thickness of 20 mm.

- **FAZ II available from sizes M6 - M24**

Diamond Drilling Now Approved!

FBN II Anchor Bolt - Powerful anchor for ultimate demands

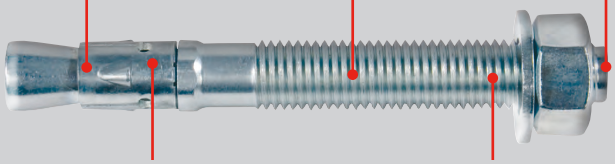


ETA-07/0211
ETAG 001-2
Option 7 for non-cracked concrete

Reduced anchorage depth reduces the drill hole depth, minimising Intallation time.

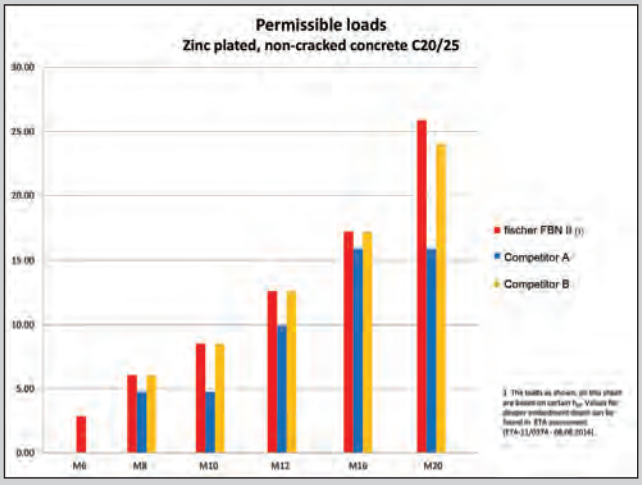
Long threads increase the range of base plate thickness's possible allowing stand-off installations and increased flexibility.

The drive-in pin protects the thread from damage, and ensures faster installation or dismantling of the attachments



Standard anchorage depth achieves large load-bearing capacities so fewer fixing points and smaller anchor plates are required.

Less hammer blows and minimal torque slippage gives noticeably faster installations.



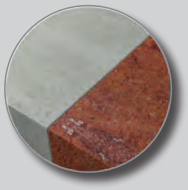
FBN II GS with large washer for flexible use in non-cracked concrete.
- The pre-fitted washer ensures a fast installation.
- The large washer creates a greater supporting surface which is ideal for timber constructions.

ETA-07/0211
ETAG 001-2
Option 7 for non-cracked concrete

- **FBN II available from sizes M6 - M20**

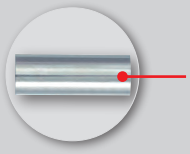
FBS II ULTRACUT - High performance concrete screw






ETA-15/0352
EAD 330011-00-0601
Option 1 for cracked concrete
seismic performance category C1, C2



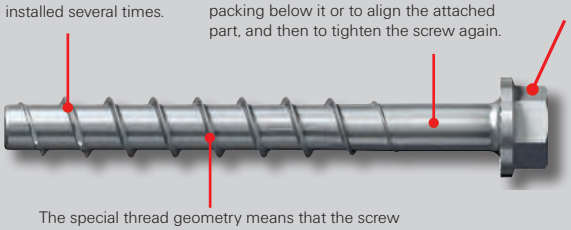


The checking gauge, available separately, allows the outer diameter of the thread to be checked prior to the screw being reused; this complies with the approval for multiple use.

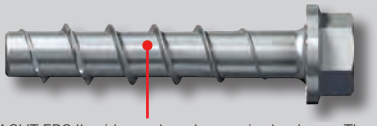
The patented saw-tooth geometry cuts quickly into the substrate and can be installed several times.

The approval for the concrete screws allows the screw to be unscrewed twice for a total of 20 mm, to place maximal 10 mm packing below it or to align the attached part, and then to tighten the screw again.

The ULTRACUT FBS II is available in different head designs. Countersunk and hexagonal head (with and without Torx drive).




The special thread geometry means that the screw flanks cut deeply into the concrete and allowing for high loads. This saves costs because less anchor points and smaller base plates are required.



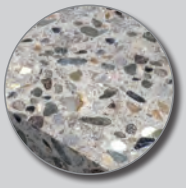

The short ULTRACUT FBS II, with a reduced screw-in depth, allows for a short drill hole depth and fast installation which makes it a suitable option for many applications.

The ribs on the lower head relevent accidental unscrewing of the anchor making the system more secure.

Benefits

- With up to 3 embedment depths, the ULTRACUT FBS II makes it possible for the same screw to be used for different component thicknesses.
- Expansion-free anchoring (undercut) allows for lowest edge and axial clearances.
- The assessment (ETA Option 1) covers the use of single-point anchors in cracked and non-cracked concrete.
- The performance categorys Seismic C1 and C2 assessment ensures that the strictest of safety standards has been fulfilled (also with high earthquake specifications).
- The checking gauge allows a multiple use covered by the approval.

Superbond Resin System - Universal solution for cracked & non- cracked concrete

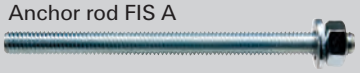
ETA-12/0258
ETAG 001-5
Option 1 for cracked concrete

The fischer Superbond System is a combined capsule and injection resin system for cracked and non-cracked concrete.
The injection mortar FIS HB and the capsule RSB perform the same as each other at the same anchorage depths.

System 1: Steel

Free choice between FIS A, RGM, RG MI.

Anchor rod FIS A



Anchor rod RGM

Anchor rods made of zinc-plated steel grade 5.8, 8.8, stainless steel A4 and highly corrosion-resistant steel.

Internal threaded anchor **RG MI**

Internal threaded anchor , zinc-plated steel & stainless steel A4 for installations flush to the surface

System 2: Resin mortar

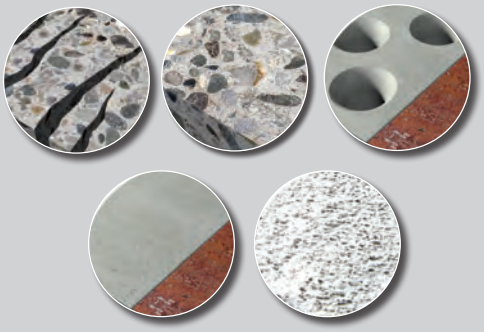
Resin capsule **RSB**

- The resin capsule RSB reduces hole cleaning, no brushing of drill hole required.
- The RSB has a very short curing time and may be installed from – 30 °C

Superbond injection mortar **FIS SB**

- With the Superbond injection mortar FIS SB, anchor rods of sizes M8 to M30 can be installed.
- The Superbond injection mortar FIS SB is approved for installations up from – 15 °C.

FIS V Chemical Resin - Universal injection resin for all building materials



NEWS FLASH
Option 1 for cracked & non-cracked concrete

ETA-02/0024 ETAG 001-5 — Option 1 for cracked concrete

ETA-08/0266 ETAG 001-5 — Post-installed rebar connection (TR23)

Fire resistance classification F 120 — Anchor types see test report

ETA-10/0383 ETAG 029 — Masonry Use categories b, c or d and d/d or w/w

Maximum security is achieved via a wide range of approved fastening devices such as - anchor rods FIS A, internally threaded anchors RG MI and reinforcement anchors FRA.
Approved: Anchor rods FIS A in cracked concrete (M 10 - M 30) and uncracked concrete (M 6 - M 30).

Benefits

- FIS V has a number of system approvals, for cracked & non-cracked concrete, masonry and rebar connections. (FIS VW is excluded from rebar approval).
- Suitable for use with reinforcement bars
- Temperature resistance up to +120 °C.
- Partially used cartridges can be reused simply by changing the static mixer.
- Long shelf life (up to 18 months, when stored correctly).
- Compatible with a wide range of professional resin dispensers.
- Can be used with extensive, approved system accessories (sleeves & rods) for all building materials.

Features

- **FIS V** is the first universal injection mortar available on the market with the most ETAs for all common building materials.
- **New:** It can be used in cracked concrete with guaranteed reliability for practically all areas of application.
- The approved alternative to polyester resin for external use!

FIS VL 410 C - For all standard applications in concrete and masonry

ETA-10/0352 Cracked and non-cracked concrete
ETA-15/0263 Solid and hollow masonry, aerated concrete
ETA-15/0539 Post-installed rebar connections
Several fire test reports available

ETA-15/0263 ETAG 029 — Masonry Use categories b, c or d and d/d or w/w

ETA-15/0539 ETAG 001-5 — Post-installed rebar connection (TR-23)

ETA-10/0352 ETAG 001-5 — Option 1 for cracked concrete

Features

- Approved in cracked concrete: FIS A / RG M (M10 – M20)
- Approved in non-cracked concrete: FIS A (M6 – M30), RG M (M8 – M30), RG MI (M8 – M20)
- In service temperature: range: –40°C up to +120°C
- Installation temperature: FIS VL: –5°C up to +40°C
- Can be used in dry and wet concrete
- Approved for water-filled holes with 410ml coaxial cartridges

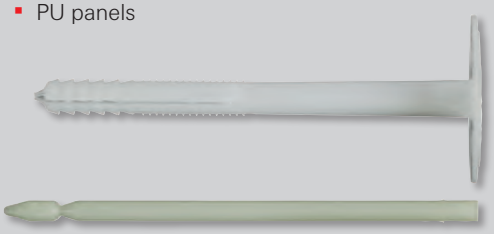
Benefits

- Approved in all common building materials – even cracked concrete. Reduces the number of products you need which safes money and space for other important tools.
- Excellent load performance in all building materials allows for economical use of injection mortar and anchor rods, which saves time and cost.
- Installation temperature down to –5°C makes it possible to continue work even at low temperatures and to finish your job on time.
- A wide range of accessories offers a choice of fixing systems best suited to the FIS VL injection mortar family. This provides a broad range of applications offering safe and economical solutions.

DIPK - The cost-effective drive anchor with plastic nail

DHK Is ideal for fixing pressure-resistant insulating materials in façades, such as:

- Polystyrene boards
- Light building boards made of wood wool
- Cork boards / coir matting
- PU panels



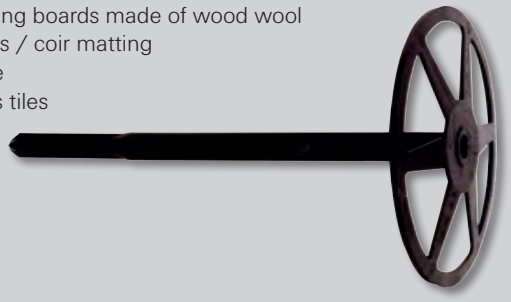
Features

- The glass-fibre-reinforced plastic nail (GRP nail) reduces the heat transmission and prevents marks on the plaster surface.
- The simple hammerset installation allows for a quick installation process and thus reduces workload.
- The well-proven design with low anchorage depth reduces the amount of drilling required, thus achieving a high level of efficiency.
- The DIPK can be used universally in rear-ventilated curtain façades, as well as in plaster façades.

DHK - The cost-effective plastic insulation support for all conventional insulating boards

DHK is ideal for fixing soft and pressure-resistant insulating materials in rear-ventilated façades, such as:

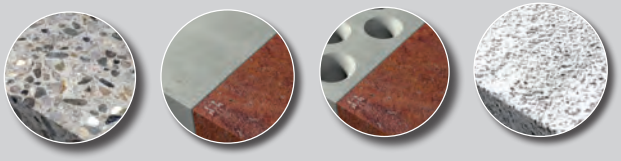
- Mineral / glass wool
- PU panels
- Light building boards made of wood wool
- Cork boards / coir matting
- Polystyrene
- Foam glass tiles



Features

- The optimised geometry of the expansion section ensures a low anchorage depth and reduces the amount of drilling required.
- Flexible pins in the plate area adapt to the insulating material, and ensure a sustained contact pressure.
- The simple hammerset installation allows for a quick installation process and thus reduces workload.
- The colouring of the DHK 90 means that it does not stand out on black clad insulating material in rear-ventilated façades.
- The DHK 45 is suitable for use in pressure-resistant insulating boards and reveals.

DHM - fire-protection tested metal insulation support for fire-resistant insulating boards



DHM is great for fixing fire-resistant soft or pressure-resistant insulating materials, such as:

- Mineral / glass wool
- Light building boards made of wood wool
- Foam glass tiles

Also suitable for:

- Polystyrene boards
- Coir matting

- **The DTM 80 plate** for soft insulating materials simplifies storage and minimises costs.
- Insulation retaining metal washer **DTM 80**, washer-ø 80 mm, inside-ø 11 mm

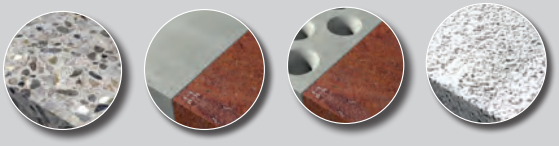
Benefits

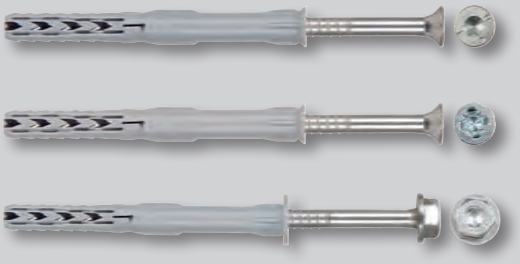
- The optimised geometry of the expansion section ensures a low anchorage depth which reduces the amount of drilling required.
- Flexible pins in the plate adapt to the insulating material, and ensure a sustained contact pressure.
- The simple hammerset installation allows for a quick installation process and thus reduces workload.

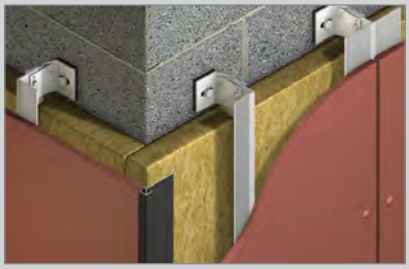
Features

- The DHM insulation support is set in push-through installation using a hammer.
- The spring steel expands when hammered into the base material.
- Use the DTM 80 plate (available separately) to fix soft insulating materials.

SXR -The specialist frame fixing with short drill hole depth





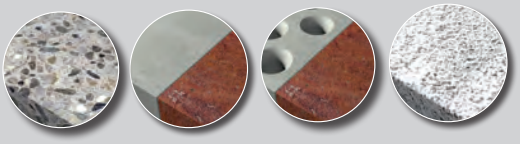


Benefits

The exceptional performance of the SXR enables it to be used in both solid and hollow building materials with an anchorage depth of just 50 mm.

- The ETA assessment covers use in a range of solid and hollow building materials, and guarantees a secure fixing.
- The specially developed combination of plugs and screws ensures the very best handling. The plug has a noticeable hold, making installation more convenient.
- Anchorage depth of just 50mm in both solid and hollow building materials.
- The extensive range with diameters of 6, 8 and 10 mm provides a choice of plug for every fixing.

SXR-L - The powerful problem solver with a long expansion sleeve

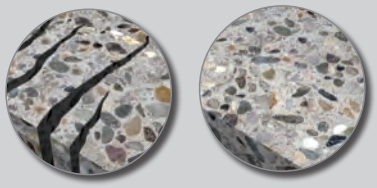


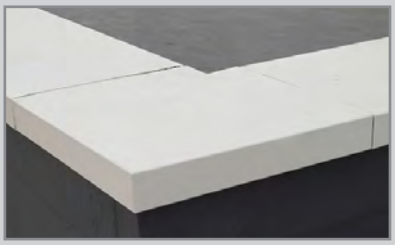
Benefits

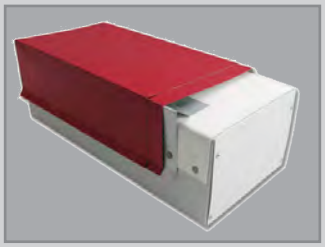
SXRL 14 is approved for applications under compression load and is ideal for facade substructures that are mounted at a distance without wall brackets

- The unique geometry of the plug ensures that the retaining forces are evenly distributed in the drill hole.
- When the plug is to be set below the plaster, the longer ribs prevent plug
- rotation during installation.
- The variable anchorage depths of 50, 70 or 90 mm off er special advantages and high loads when anchoring in aerated concrete.
- The SXRL with effective lengths up to 290 mm provides the right plug for every application.

FNA II The installation-friendly hammerset anchor option 1 ETA for multiple fixings







- A range of head shapes allows for the fixing of wide-ranging fixtures

Benefits

- The special active principle allows for a simple hammerset installation and, therefore, a short processing time.
- The extremely short anchor depth prevents reinforcement hits and creates the conditions for a trouble-free installation.
- The enhansed expansion clip guarantees a secure hold when placed in the drill hole and prevents it falling out during overhead installations.
- The substantial shaft cross-section guarantees a high load-bearing capacity, which offers an extremely high level of safety.
- A range of different head types allows for the fixing of wide-ranging fixtures, and for the ideal adaptation to suit the intended use.

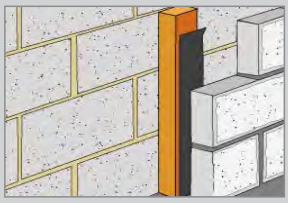
Features

- The FNA II with nail head is suitable for push-through installation. The FNA II M6 is suitable for pre-positioned and push-through installation. The FNA II OE and H are suitable for pre-positioned installation.
- The installed FNA II nail anchor expands automatically under load. The cone is pulled into the expansion clip and expands it against the drill hole wall.
- **Available setting tools:**
  FNA S-SBO to slip onto the drill,
  FNA S-SDS for series installation with a drilling hammer,
  FNA S-H for the manual installation of mounting rails.

Cavity FireStop Clad - FCFcl A product designed to protect the building void between the inner and outer construction elements.

British Standard
BS476-20

BS EN1366-4: 2006



Benefits

- Tested to EN 1366-4 & BS 476
- Classification to EN 13501-2, EN 13501-1.
- Air Permeability to EN 1026 to 600Pa.
- Acoustic Isolation to EN 10140 to 31dB
- GWP of 0% Global Warming Potential.
- ODP of 0% Ozone Depletion Potential.
- Superior Level of Sustainability.
- Encased Fibre Migration for Air Plenum Use.
- Brackets included in the pack.
- Life expectancy of over 25 years.
- Contributes to Green Building
- Voids up to 590mm wide.

Suitable for:
Concrete slabs, columns & walls, Curtain wall assembles & Stone cladding etc.

Features

- FCFcl Cavity Barrier comprises of a one piece closed dimension stone wool core.
- The product is encased with an aluminium foil face which provides class 'O' rating and exhibits excellent resistance to smoke.
- The FCFcl provides a resilient lateral compression which is required to ensure a tight fit.
- Designed to be used in Ceiling Cavity, Slab Edge or Under Floor installations

Applications

- Tested in Masonry, Concrete Timber
- Suitable for application:
- Ceiling Cavity Barriers
- Under Floor Cavity Barriers
- Slab Edge Barriers

Fire|Barr ElastoSeal - FFB-ES Elastomeric fire resistant coating for construction joint and assemblies

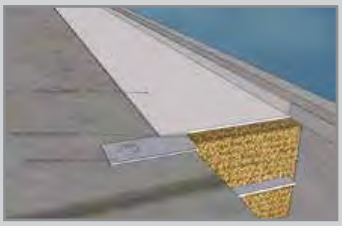
ETA 15-0203
1121-CPR-JA5065

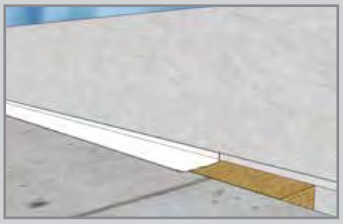
British Standard
BS EN 10140

BS EN 1366-4:2006

BS EN 1026

BS EN 1027


Linear joint application


Curtain wall application

Ideal for Linear joints in constuction elements up to 600mm (24")
Suitable for: Floor to Floor, Wall to Wall, Head of wall, Bottom of Wall, Curtain Wall

Benefits

- Openings up to 600mm (24") wide.
- 50% movement capabilities.
- Working temperature between -10°C
- to +95°C.
- Can be spray or brush applied.
- Air permeability.
- Acoustic performance.
- 80kg/m³ stone wool base.
- 2.5mm WFT required.

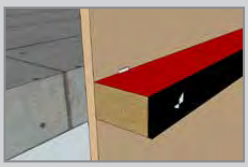
Features

fischer FFB-ES ElastoSeal is a one part water based acrylic coating which has been designed to provide smoke and fire protection on construction joints in both vertical and horizontal appliations.
Tested to BS EN1366-4 and BS476-20 the FFB-ES is also ETA approved and CE marked. Developed for use on 80kg/m³ stone wool base the FFB-ES is also halogen and solvent free and exhibits excellent slump and movement characterestics.
Once applied, it prevents the passage of fire and smoke and can contribute to the acoustic value of a structure between fire rated compartments giving a fire resistance for up to 120 EI.

Fire|Barr VentiStop - FFB-VS - Designed for use in horizontal mode within cavities between ventilated rainscreen cladding and building structure

British Standard
BS476-20:1987


Complete assembly


Partial assembly

Benefits

- Available in different widths and Precut units for bespoke application.
- Assessed for use within openings up to 450mm span.
- Free of halogens, asbestos, fibres and silica and is non toxic.
- Suitable for use in irregular applications.
- Brackets included in pack.
- Long life and ease of application with minimum waste.
- Allows for movement of air and moisture.
- Encased fibre migration for air plenum use.

Features

FFB-VS is part of the fischer Fire|Barr system for forming fire barriers within building envelope systems.
FFB-VS comprises of an aluminium foil faced structural stone wool section, with an integral intumescent strip, bonded to cover the exposed face.
Tested in accordance with BS476-20 it has shown itself capable of providing up to 1 hrs fire protection once activated.
During normal service life, an air gap of min 25mm is maintained to allow ventilation. In the event of direct exposure to fire, when subjected to heat, the intumescent strip rapidly expands to fill the air gap within the cavity.

Elite Fasteners®

Specialist Distributors To The Construction Industry

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CONSTRUCTION FIXINGS association | APPROVED DISTRIBUTOR

Elite Fasteners Ltd.

Elite Fasteners is a major supplier of fixings, fastenings, sealants and ancillary products specialising in the curtain walling and building envelope markets.

We also offer full technical support with in house and on-site testing services. This enables us to provide the safest and most cost effective solutions to meet your needs.

The key principles of our business are:

- Providing the most cost effective solution to our customers' needs
- Ensuring excellent customer service from enquiry right through to delivery.
- We are committed to working to the principles enshrined in BS 8539:2012 including the testing requirement's be they Preliminary Tests to determine the allowable load for a fixing proposed for use in masonry or Proof Tests needed to validate the quality of installation.

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