fischer

Building Envelope Solutions.

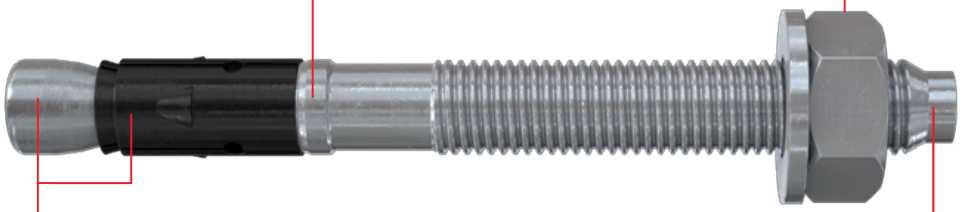
DP BUILDING SYSTEMS



FAZ II High performance, powerful steel anchor bolt

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

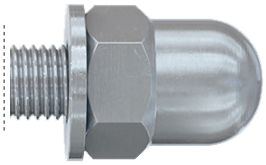
With a choice of pre-assembled normal washer or large washer GS and with washer HBS in compliance with wood construction standard DIN 1052. (not pre-assembled).



The interaction of cone and expansion clip significantly increases the load bearing capacity which gives the minimum possible edge and axial spacings. For use under maximum load requirements.

The protruding pin protects the thread from damage during setting.

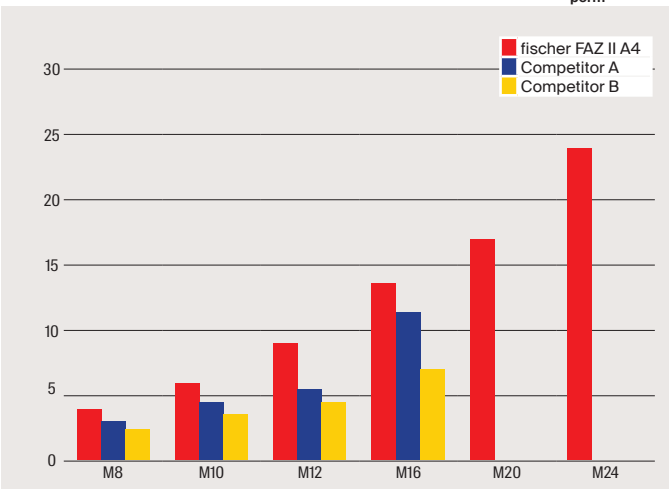
The special dome head nut (M10 and M12) are regulated in the ETA (assessment) and are the best choice for architecturally demanding applications.



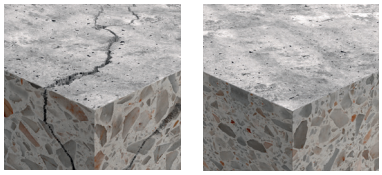
Benefits

- With the new ETA assessment for Option 1 the tension loads are increased up to 10% and the shear loads up to 17%. Fewer and smaller anchors are required.
- The minimum embedment depth (see example) makes considerably shorter drill hole depths possible, providing noticeably faster installation and less rebar hits.
- The new cap nut provides an option for a more aesthetic design, It also reduces the chance of a trip hazard.
- The FAZ II 6 is the Worlds first anchor bolt with a drill hole diameter 6 mm and ETA Option 1, for safe and approved anchorage.
- Approved for diamond drilled holes >= Ø8mm.
- Available from size M6 to M24

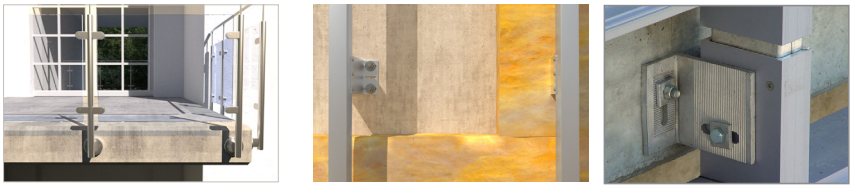
Corrosion Class III Concrete. Permissable Loads N_{perm}



Recommendation



Applications



Approvals

ETA-05/0069,
for cracked concrete

ESR-2948

Fire resistance classification R 120

M8 - M20

FM APPROVED from M10

ZTV 1200 °C

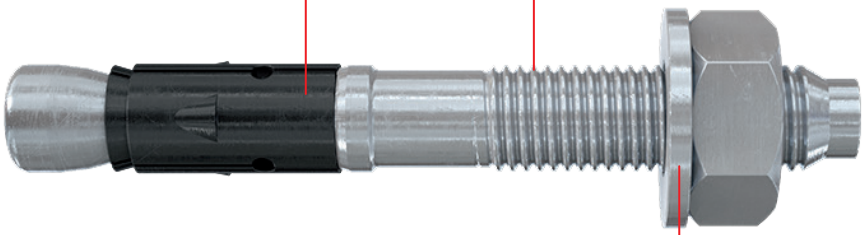
SEISMIC

For highest demands, short and practical.

FAZ II K the short version

The 12 sizes of FAZ II K in zinc-plated or stainless steel versions can **be used up to a fixture thickness of 20 mm.** Now for diameter 8 as well.

The shorter bolt with minimum embedment depth is the **economic choice** for numerous applications such as the fixing of cable trays and substructures for façades.



With a choice of normal washer or **large washer GS.**

Benefits

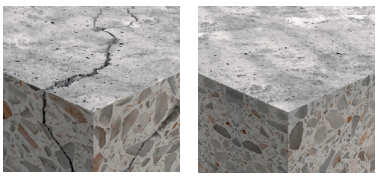
- The reduced anchorage depth speeds up installation and reduces the number of reinforcement hits.
- The expansion clip provides the highest load bearing capacity thereby reducing fixing points so smaller anchor plates are required.
- Simple, easy setting process with less hammer blows and low torque slippage.
- International approvals guarantee maximum safety and best performance. These approvals also cover use in earthquake zones (seismic performance) and the use of hollow drills.

Performance

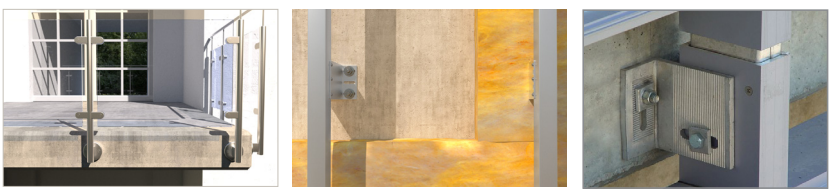
FAZ II K Anchor Bolt - Shorter Version

- The FAZ II K is suitable for pre-positioned and push through installation.
- 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

Recommendation



Applications



Approvals

ETA-05/0069,
for cracked concrete

Fire resistance classification R 120
Anchor types see test report

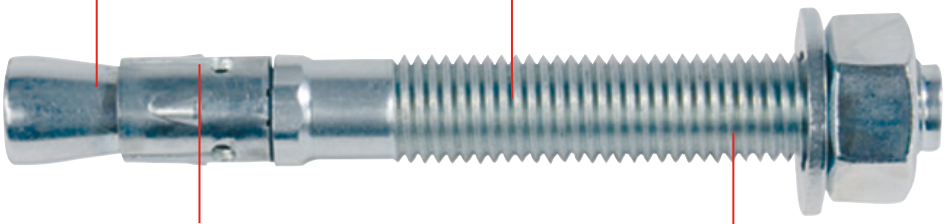
M8 - M20

SEISMIC

FBN II Steel anchor bolt for high demands in non-cracked concrete.

Shorter anchorage depth reduces the drill hole depth, minimising installation time.

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



The standard anchorage depth has a large load bearing capacity 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 fixing timber to 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.



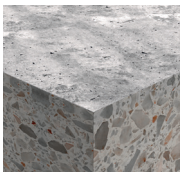
Benefits

- The standard anchorage depth achieves maximum load bearing capacities with fewer fixing points, smaller anchor plates are required.
- The smaller anchorage depth reduces the drill hole depth.
- Less hammer blows and minimal torque slippage offers noticeably simpler installation.
- The drive-in pin protects the thread from damage.
- Available in HDG with ETA approval.

Performance

- The FBN II anchor bolt is a steel anchor for cost effective use in non-cracked concrete.
- Suitable for pre-positioned and push-through installations.
- The long thread and the two anchorage depths makes it particularly adaptable for a wide range uses.
- FBN II GS is suitable for stand-off installation.
- Stainless steel version suitable for façade substructures, cantilevers and external ladders.

Recommendation



Applications



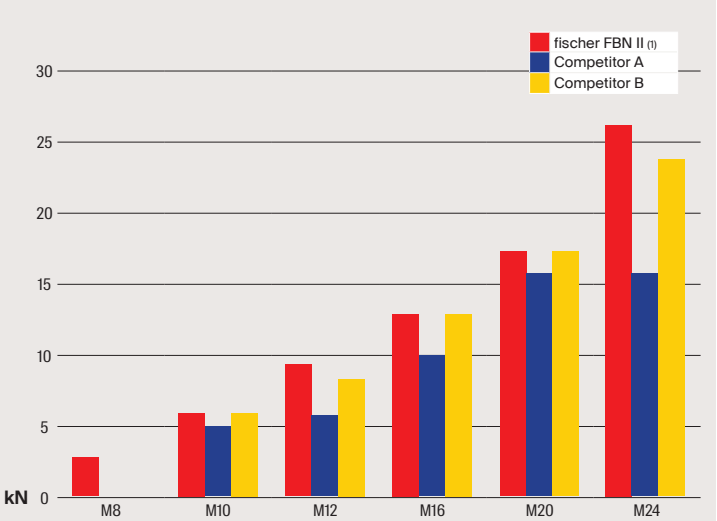
Approvals

ETA-07/0211
for cracked concrete

ETA-18/0101,
for non-cracked concrete

Fire resistance classification
R 120
Anchor types see test report

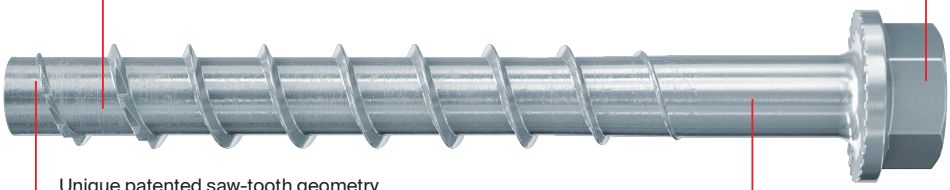
Permissable Loads. Zinc plated, non-cracked concrete C20/25

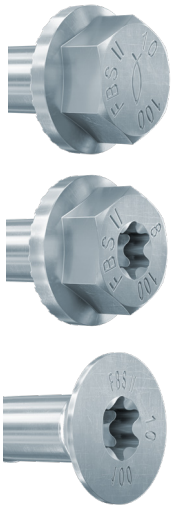


UltraCut FBS II High performance concrete screw

Through the special thread geometry, the screw flanks cut deeply into the concrete and allow higher loads. This saves costs because less anchor points and smaller base plates are required.

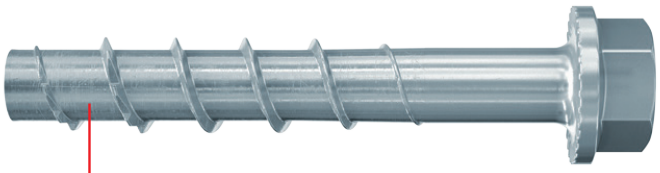
The UltraCut FBS II is available in different head designs. Countersunk and hexagonal head with and without internal torx drive.





Unique patented saw-tooth geometry cuts quickly into the concrete. It can be installed several times and used in reinforced concrete.

The approved adjustment allows the screw to be unscrewed twice for a total length of 20 mm, to place maximum 10 mm packing below the base plate head or to align the attached part, and then to tighten the screw again.



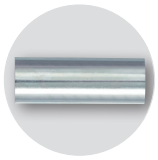
The short UltraCut FBS II, with a reduced embedment depth, allows for a short drill hole depth, fast installation and less reinforcement hits which makes it an efficient choice for many applications.

The ribs under the head prevent accidental loosening of the anchor making the system more secure.

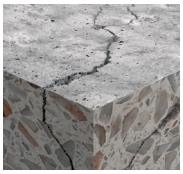
Benefits

- With up to 3 embedment depths, the UltraCut FBS II makes it possible for the same screw to be used for different component thicknesses.
- The assessment (ETA Option 1) covers the use of single point anchors in cracked and non-cracked concrete.
- The performance categories seismic C1 and C2 ensures that the strictest of safety standards and earthquake specifications can be fulfilled.
- The checking gauge allows multiple use covered by the approval.

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.



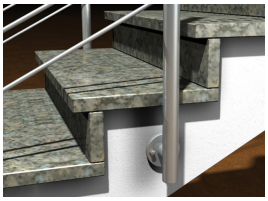
Recommendation







Applications





Approvals

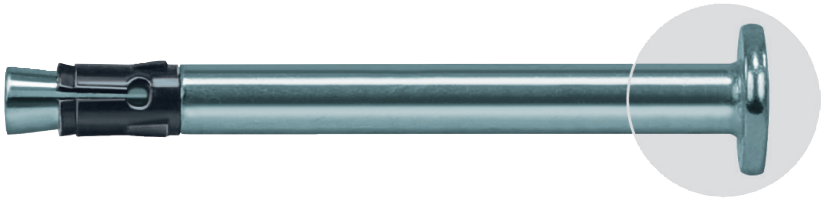
ETA-15/0352 for cracked concrete. Seismic performance catagory C1 & C2

ICC ES ESR-2948 See ICC-ES Evaluation Report at www.icc-es.org

Fire resistance classification R 120 Anchor types see test report

SEISMIC

FNA II Hammerset anchor for multiple fixixngs.



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



FNA II OE | FNA II H | FNA II M6

The FNA II OE and H are primarily suitable for the anchoring of wire and nonius hangers indoors. They are ETA approved and have fire resistance classification class R 120.

The FNA II E is primarily suitable for the anchoring of ventilation systems and mounting rails. ETA approved and have fire resistance classification class R 120.

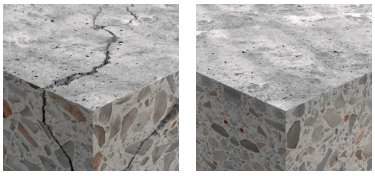
Benefits

- The FNA is designed for short, simple hammerset installation.
- The very short anchor depth prevents reinforcement hits and creates the conditions for a trouble-free installation.
- The enhanced expansion clip guarantees a secure hold when used for overhead installations.
- A range of different head types are available in zinc-plated steel, stainless steel and highly corrosion-resistant steel providing a wide range of fixing options to suit the intended use.

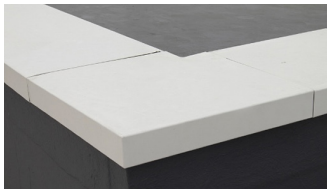
Performance

- The FNA II is suitable for the anchoring of fire protection boards, ventilation systems, metal rails, and subframe systems.
- When installed FNA II nail anchor expands automatically under load the cone is pulled into the expansion clip, expanding it against the drill hole wall.
- Available setting tools:
  FNA S-SBO for use with a drill.
  FNA S-SDS for series installation with a hammer drill.
  FNA S-H for the manual installation of mounting rails.

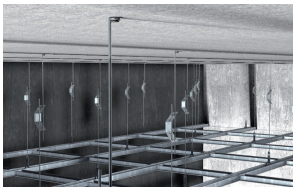
Recommendation



Applications







Approvals

ETA-06/0175
Multiple use for non-structural applications in concrete.

Fire resistance classification R 120
Anchor types see test report

RWS 1350 °C
Anchor types see test report

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

from M8

FIS SB Injection mortar, the universal solution for cracked and non-cracked concrete.

The Superbond System is supplied as a choice of a resin capsule or injection mortar for cracked and non-cracked concrete. The FIS SB injection mortar and RSB resin capsule perform the same as each other at the same anchorage depths.

System 1: Steel

FIS SB with a choice of FIS A, RGM, RG MI.

Anchor rod FIS A



Anchor rod RGM



These anchor rods are available in zinc-plated steel grade 5.8 / 8.8, stainless steel and highly corrosion-resistant steel.

Internal threaded anchor RG MI



The Internal threaded anchor is avaiable in zinc-plated steel & stainless steel A4 for installations flush to the surface.

System 2: Resin mortar

Resin capsule RSB for use with RG M and RG MI



- 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



- M8 to M30 anchor rods can be installed with the FIS SB.
- FIS SB is approved for installations up from –15 °C.

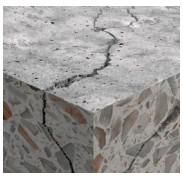
Benefits

- Variable anchorage depth of 60 - 600 mm
- Free choice between the FIS SB injection resin and reaction capsule RSB
- Approved for installation from –30 °C
- Reaction capsule RSB is approved for water-filled drill holes and diamond drill holes
- Anchor sizes M8 – M30
- Approved for seismic applications according to category C1 & C2

Performance

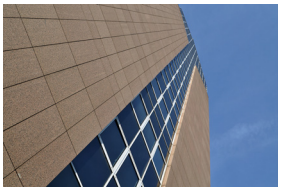
- Suitable for pre-positioned and push-through installation and can be used with the threaded rod FIS A or the internal threaded anchor RG MI.
- Resin and hardener are stored in two separate chambers and are not mixed and activated until dispensed through the injection cartridge.
- The mortar bonds the entire surface of the anchor to the drill hole wall and seals the drill hole.
- With push-through installations, the annular gap between the threaded rod and fixture is filled with the injection mortar FIS SB.

Recommendation





Applications





Approvals

ETA-12/0258
Option 1 for cracked concrete

Fire resistance classification F 120
Anchor types see test report

SEISMIC

FIS V Injection mortar for solutions in all building materials

Performance

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!

Maximum safety is achieved via a wide range of approved fastening devices such as:

- FIS A anchor rods,
- RG MI internally threaded anchors
- and FRA reinforcement anchors and rebar connections.

Approved Steel:

FIS A anchor rods 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.
- Suitable for use with reinforcement bars (Note, FIS VW is excluded from rebar approval).
- 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.

Recommendation



Applications



Approvals

ETA-02/0024
For cracked concrete. Seismic performance catagory C1 & C2

ETA-08/0266
Post installed rebar

ETA-10/0383
Masonry - Use catagories b, c or d and d/d or w/w

Fire resistance classification
F 120
Anchor types see test report

SEISMIC

FIS VL 410 C Injection mortar for all standard applications in concrete and masonry.

Performance

- 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

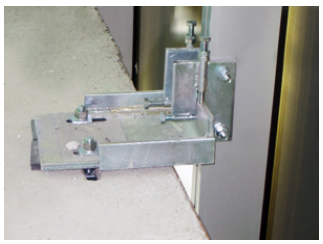


Benefits

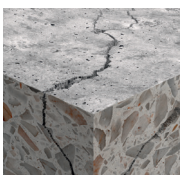
- Approved in all common building materials – even cracked concrete. Reduces the number of products you need which saves money and space for other important tools.
- Excellent load performance in all building materials allows for economical use of injection mortar and anchor rods, which saves time and 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 for safe and economical solutions.

Applications



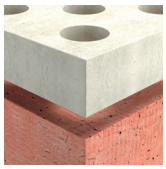


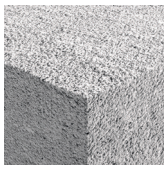
Recommendation











Approvals

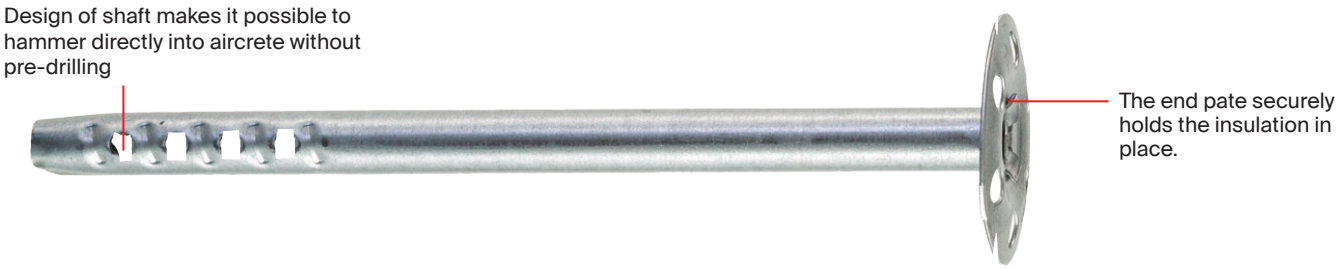
ETA-10/0352
For cracked and non-cracked concrete.

ETA-15/0263
For solid and hollow masonry, aerated concrete.

ETA-15/0539
Post-installed rebar connections.

Fire resistance classification F 120
Anchor types see test report
Several fire test reports available

DHM Metal insulation support. Fire protection tested for fire resistant insulating boards.



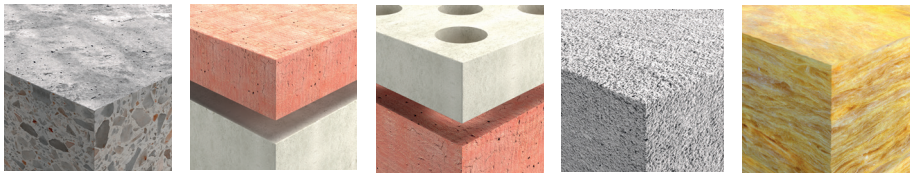
Benefits

- The DTM is a metal insulation support with fire resistance F 120. It can be used where there are fire resistance requirements.
- The spring steel plate expands in the building material and holds the insulation boards securely in concrete, aerated concrete, solid and hollow building materials.
- The shaft design makes it possible for the DHM to be hammered in to aircrete without pre-drilling, saving a stage of installation.

Performance

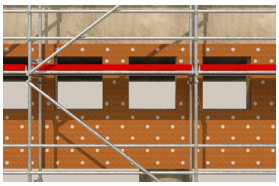
- Easy manner in installation.
- The spring steel expands when hammered into the base material.
- Use the DTM 80 plate (available separately) to fix soft insulating materials.

Recommendation



Applications





Approvals



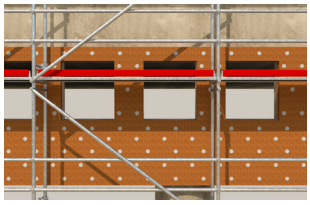


DTM Insulation disc

The additional support for the metal insulation support when using soft insulation boards

Benefits

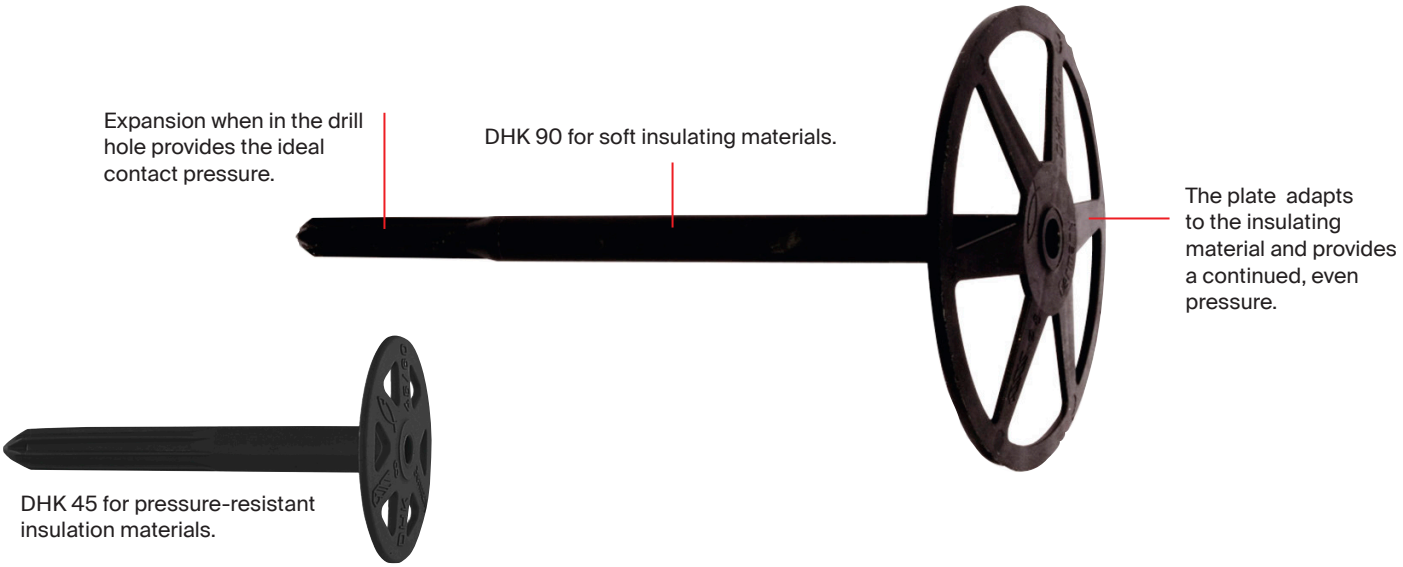
- The DTM is the ideal for increasing the surface area of the insulation support DHM.
- Available in hot dip galv. or stainless steel A2 depending on requirements.
- Insulation discs DTM, DTM 60/10 A4 and DTM 70/10 can all be used with frame fixings where applicable.



DHK Insulation support for soft insulation boards in rear ventilated façades.

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

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



Performance

- The DHK is set in push-through installation using a hammer.
- The expansion of the ribs in the drill hole gives the DHK an ideal contact pressure.
- Temperature range when installed: -40°C to +80°C.

Benefits

- 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.

Recommendation



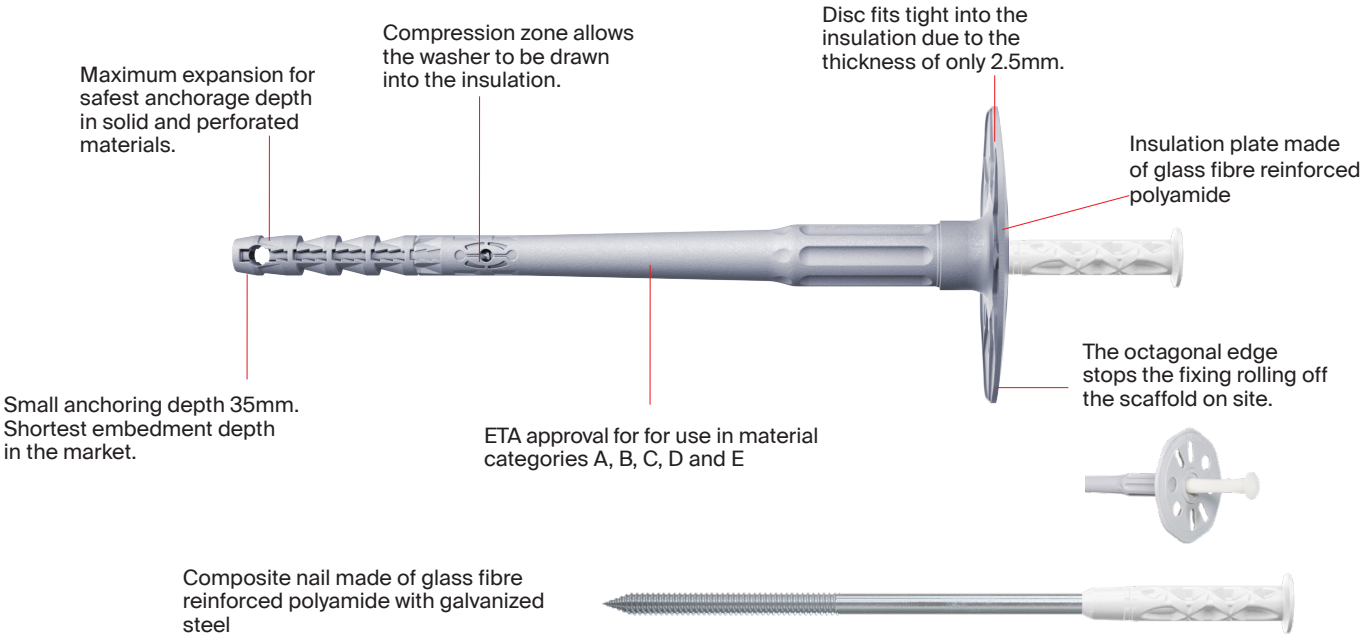
Applications



FIF CN II Render Fixing with a composite steel and plastic nail.

The ETA approved fischer render fixing FIF-CN II is ideal for securely fixing pressure-resistant insulation up to 350 mm thick such as:

- Polystyrene boards,
- Mineral wool boards,
- Wood wool lightweight panels and cork boards / coir matting in concrete, solid and perforated brick.



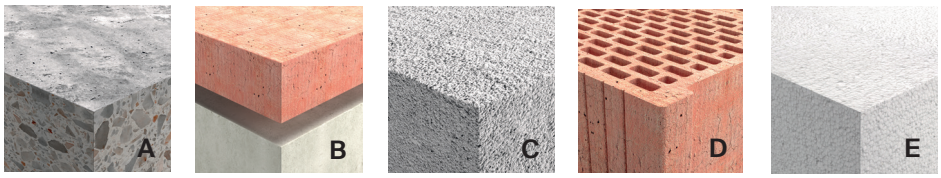
Benefits

- ETA approved.
- Set with just a few hammer blows.
- The disc fits tight into the insulation due to a thickness of only 2.5 mm. This allows the application of low cost, thin reinforcement layers.
- Cost effective applications of thin, reinforcement layers.
- High retention forces achieved with steel tip of the compound nail.
- Reduced anchoring depth of 35 mm saves on drilling times.
- The FIF-CN II 8 is virtually free of thermal bridging due to the compound nail.
- The compression zone in the shank allows the disc to be drawn in precisely.
- For insulating material thicknesses up to 340 mm.

Performance

- Fixings are pre-assembled.
- Designed for push through installation.
- Able to set in all insulation boards and building materials.
- The fixing is pushed through the insulation into the drilled hole and is screwed or hammered tight.
- Non load bearing layers such as adhesive and old plaster should be calculated in the maximum useful length.

Recommendation



Applications



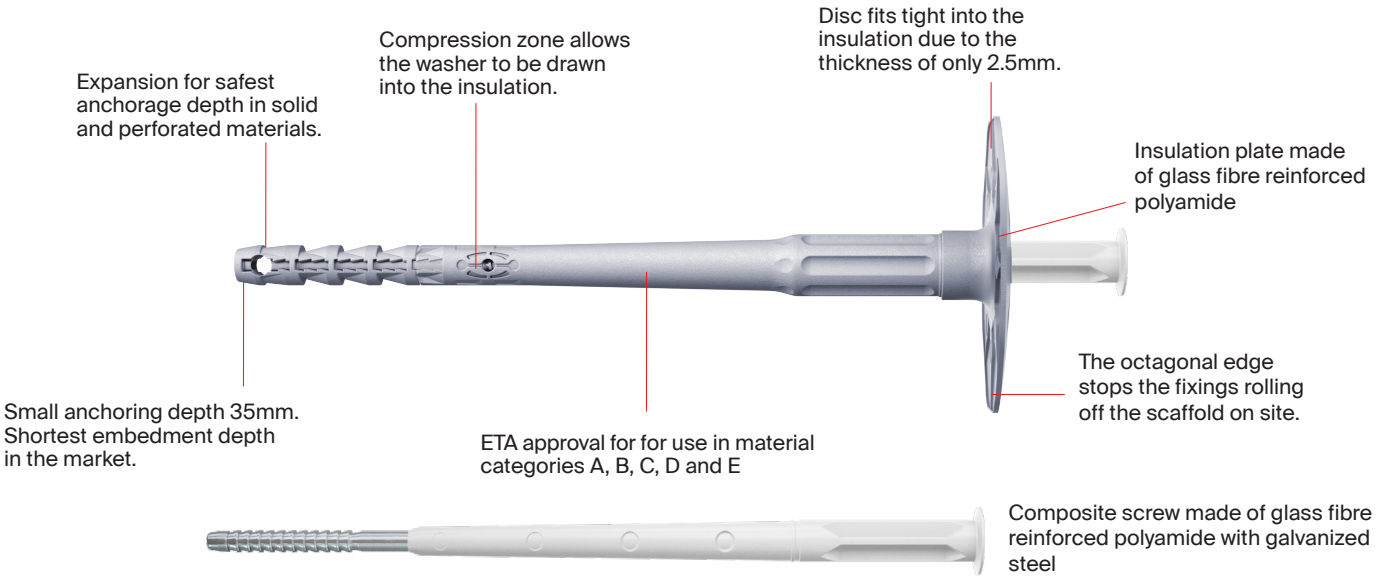
Approvals

ETA-18/0393
Use catagories A,B,C,D,E

FIF CS 8 Render Fixing with a composite steel and plastic screw.

The ETA approved fischer render fixing FIF-CS is ideal for fixing pressure-resistant insulation up to 340 mm thick for thermal insulation systems such as:

- Polystyrene boards or mineral wool boards in concrete,
- Solid and perforated brick,
- Lightweight aggregate concrete and aerated concrete securely .



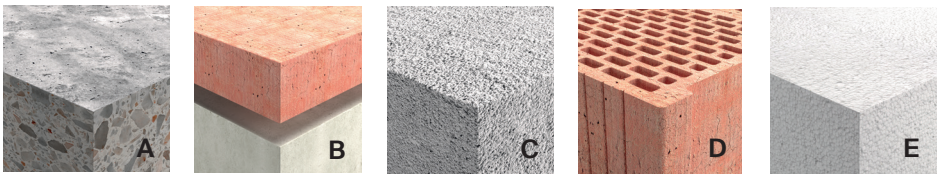
Benefits

- ETA approved.
- Compound screw minimises the thermal bridge, there are no fixing marks on the façade.
- Less drilling time and drill wear due to a minimum installation depth of 35 mm in the substrate.
- With flush installation, the disc fits tight into the insulation and is ideal for the application of thin render due to its thickness of only 2.5 mm
- For insulation material thicknesses up to 340 mm.
- Standard embedment depth for all building materials.

Performance

- Fixings are pre-assembled.
- The fixing is pushed through the insulation into the drilled hole and screwed tight. The uniform setting depth for all building materials simplifies installation.
- The FIF-CS 8 is set with a standard screwdriver.
- For lengths from 250 mm, at least 180 mm long T25 bits are required. These are sold separately.

Recommendation



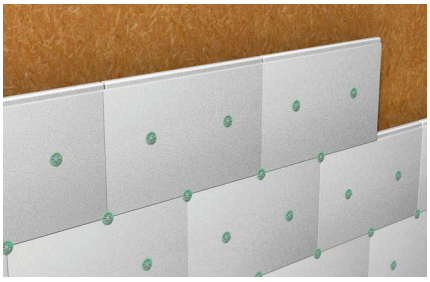
Applications



Approvals - FiF CS 8

ETA-15/0006
Use catagories A,B,C,D,E

Termofix H for use with standard screws





Benefits

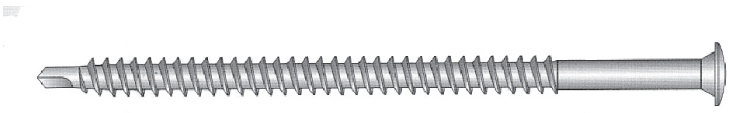
- The disc for use with standard screws for the attachment of ETICS insulating boards.
- The Termofix H 50, 90 and 150 disc is sealed using the moulded on cap
- An air column is produced between the screw head and this seal which reduces thermal-transmission losses.
- Different shank lengths allows the screw length to be reduced if necessary.
- Can be combined with the insulating discs DT 90, DT 110 and DT 140.
- Suitable for use with FABS below, for cement boards or SFS, or wood screws for timber.

Performance

- The fixing (disc and screw) is set in push through installation.
- Non-load-bearing layers such as adhesive and old plaster should not serve as an anchoring base.

FABS Self drilling scews for ETICS, Light Steel Frame & CP Board

FABS 31 is ideal for use with Thermofix H for fixing up to 280mm insulation to steel, timber or CP board.

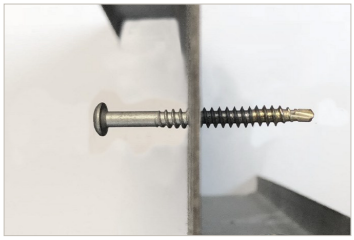




Torx 25 drive
Ø 9mm

Benefits

- Special Dacroment coated steel meets high corrosion requirements.
- Dacromet coated to withstand 15 x Kesternich corrosion test cycles.
- Slim head (3mm thick).

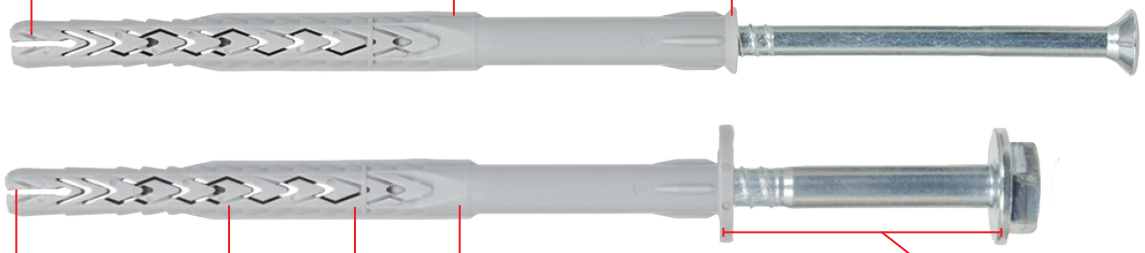




SXR-L The versitile problem solver with multiple anchorage depths.

The long expansion zone with up to three anchorage depths makes the SXRL the most versatile frame fixing in the fischer range.

When the plug is to be set deeper, the side ribs prevent the plug from turning during installation.



The special geometry of the plug distributes the loads uniformly in the drill hole providing outstanding load values in all building materials.

Anchorage depth 50 mm
In hollow building materials and aerated concrete for SXRL 8 and SXRL 14, in aerated concrete for SXRL 10

Anchorage depth 70 mm
In all building materials – conrete, solid and hollow building materials, areated concrete

Anchorage depth 90 mm
In concrete, solid and hollow building materials for SXRL 8 and SXRL 10

The FUS Hex. head screw is designed to prevent corrosion between the fixture and the screw.

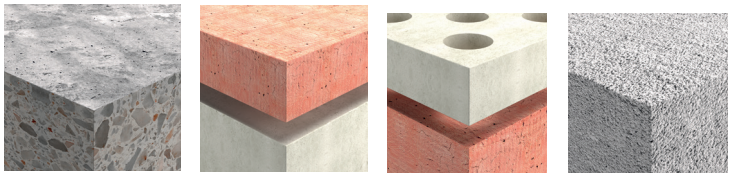
Benefits

- The unique geometry of the plug ensures equal distribution of a positive hold in the drill hole.
- When it is set to work beyond plaster, the longer ribs located underneath the collar prevent the plug rotating during installation.
- Long expansion zone with 90 mm anchorage depth for highest loads in aerated concrete.
- Two expansion zones and 70 mm anchorage depth for solid and hollow building materials.
- SXR-L with lengths up to 290 mm provides the correct plug for every application.
- Extensive range of diameters: 8,10 and 14mm.
- Two head types: countersunk headand hexagon head with moulded washer.
- Available in zinc-plated or stainless steel versions.

Performance

- In hollow building materials the force is transmitted equally through two expansion zones. The internal substrate webs are not crushed by the expansion and transmit the force safely.
- In solid building materials and aerated concrete the expansion zones combine to form one long element, providing an even, uniform load into substrate.
- The SXRL-T countersunk head screw is recommended for the installation of timber constructions; in metal constructions use the SXRL-FUS with a wide rim and moulded washer which also features an integrated hexagon socket.

Recommendation



Applications



Approvals

ETA-07/0121
Multiple use in concrete and masonry for non-structural applications.

ETA-14/0297
Multiple use in concrete and masonry for non-structural applications.

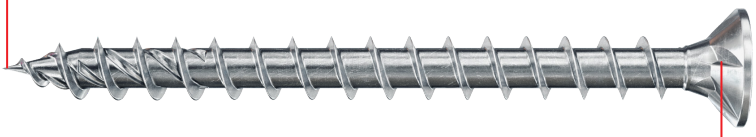
SXRL 14 is approved for applications under compression load and is ideal for facade substructures that are mounted at a distance without wall brackets

Fire resistance classification R 120
Anchor types see test report

PowerFast II Performance screw for fast, flexible applications.

19
fischerwerke GmbH & Co. KG Klaus-Fischer-Straße 1 72178 Waldachtal, Germany
DoP : 0118
DoP : 0118
ETA-19/0175 EAD 130118-00-0603
2699
For fastenings in timber constructions or of thermal insulation on rafters

Fast bite **tri-blade tip**
for the best immediate start.



Recessed milling rib pockets for less cracking in timber and damage to metal elements **for a better finish.**

Material: Steel
Coating: Blue zinc plated
Drive: Cross drive PZ or TX drive
Thread: Full thread
Screw head: Countersunk

Unique shank-miller technology
reduces driving torque.

The **only** performance woodscrew **that can be used in wall plugs**



The unique core-miller geometry to **reduce edge spacing** and **increase load capacity**.

The new PowerFast II with its unique screw geometry combines the highest **technical experience** with **excellent design. Steel grade 10b21**

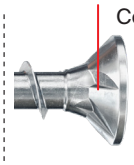
Material: Steel
Coating: Blue zinc plated
Drive: Cross drive PZ or TX drive
Thread: Partial thread
Screw head: Countersunk

Benefits

- The unique geometry of the new PowerFast II screw reduces edge spacing, increases load capacity and reduced driving torque.
- Stick fit pozi seat.
- Tri-blade tip.
- Installation is easy, flexible and improves the battery life on tools.
- The chipboard screw has significantly reduced splitting behavior in comparison with other performance wood screws.
- The PowerFast II with high performance wax coating reduces screw-in torque and allows smooth installation.
- The unique blue passivated zinc plating does not contain chrome VI and is environmentally friendly.

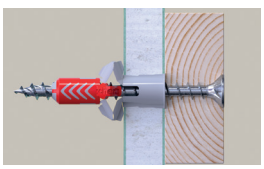


Drive: Stick fit Pozi seat for reduced cam out



Countersunk head

Versatile use with a unique design made of the highest grade steel.



Suitable for

- Use with fischer plugs (e.g DUOPOWER and UX) and has approved recommended loads. This makes full use of the load-bearing capacity of the plug.
- Can also be used in other nylon and plastic plugs without recommended loads.
- *The only performance screw that can do this.*

Approvals

ETA-19/0175 for fastenings in timber constructions or thermal insulation on rafters

reddot winner 2020
innovative product

GERMAN DESIGN AWARD WINNER 2020

Outstanding: Winner of the German Design Award 2020 and the Red Dot Award 2020.

Cast-In Channel system for a wide range of applications.

Cast-in Channel Range

The different types of channel are suitable for all types of buildings and structures including:
Cold formed for curtain walls and prefab. buildings.
Non-serrated hot rolled for curtain walls, prefab. buildings and infrastructure including railways.
Serrated hot rolled for metro / subways, utility tunnels and prefab. buildings.

Anchor:
To be cast deeply into concrete structures.

C-shaped channel:
Connects the outside structures using channel bolt components to transfer the external load



Filler and rip line:
To prevent wet concrete from getting inside the channel and can be easily removed

End cap:
To prevent the concrete getting inside and to increase the load capacity of the channel end in concrete structures

Benefits

- No welding on site, reduces risk of a fire hazzard.
- Easy installation, simple tools to ensure reduced construction time.
- No drilling on site, quick installations with no drilling dust.
- The fastening point can be adjusted along the channel
- Suitable for cracked-concrete

Performance

- fischer Cast-in Channel usually refers to cold or hot rolled channels with anchors.
- The anchors are either I-shaped or round and connected to the channels through welding or riveting.
- Inside the channels there are special foam fillings to prevent concrete from getting in whilest pouring.
- The formwork casting and the foam filling is removed so it can be used with the specially designed T-bolt to connect various items.

Channel Bolt

There are three types of bolt designed to match the different type of cast-in channels and to help form comprehansive fastening systems for multiple applications.

Standard Bolt: Smooth surface of the channel lips in combination with a smooth surface on the underside of the channel bolt head.

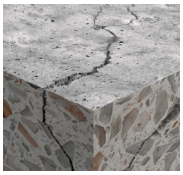
Notched Bolt: Smooth surface of the channel lips in combination with a notching channel bolt

Serrated Bolt: Serrated channel lips in combination with locking channel bolts with matching serrations on the channel bolt head.

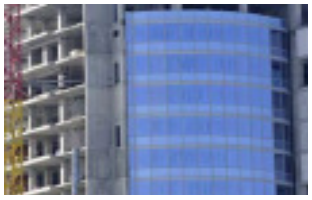


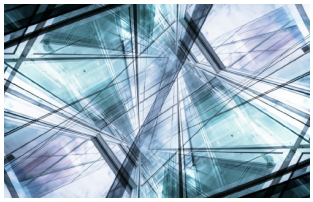
Recommendation





Applications







Approvals

ETA-18/0862 for fischer Cast-in Channel System (hot-rolled series)

The whole product portfolio is developed strictly following.
EN 1992-4 "Design of concrete structures - Part 4: Design of fastenings for use in concrete"
EOTA TR047: Technical Report "Design of anchor channels" and combining.



FireStop

Passive fire protection compartmentation solutions

As fire prevention is a crucial consideration for those who are responsible for the design, specification and construction of new and refurbished buildings, fischer has developed a range of passive fire protection products, which will help to reduce the spread of fire, smoke and toxic gases, and greatly increase life safety of occupants and protection of property.

FFB VS VentiStop Cavity Barrier. Effective ventilated fire barrier to close the void between the inner and outer construction elements.



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

Benefits

- Tested up to 120 minutes integrity and 90 minutes insulation utilising the heating and pressure conditions of EN 1363-1: 2012 and ASFP TDG19: 2014 - Open State Cavity Barriers.
- Suitable to close 25 & 50 mm ventilation gap
- Assessed for use within voids up to 450 mm wide.
- Free of halogens, asbestos, fibres and silica and is non toxic.
- Available in different widths and precut units for bespoke application.
- Long life expectancy
- **Contributes to green building**

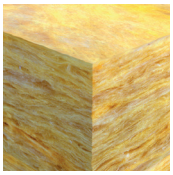
Performance

- FFB VS a foil-faced stone wool pre-cut unit, which has a powerful intumescent graphite strip bonded to the exposed face.
- The intumescent graphite strip is pre-wrapped with a durable polythene adhesive sheet to prevent water ingress.
- FFB VS has been designed to provide a 25 and 50 mm ventilation gap, that allows air flow and moisture to pass down the back of the cladding.
- Under fire conditions, the intumescent strip along the front edge expands horizontally to close the gap and prevent the passage of fire.

Installations

- Horizontal cavities between the inner and outer construction elements.

Applications

Recommendation




Approvals

British Standard
BS476-20:1987

FFB VS VentiStop Cavity Barrier fixing systems.

Multi Purpose Brackets.





Performance

- The FFB-VS Ventistop is installed with the fischer Multi Purpose Bracket.
- The brackets are available in two sizes- 390mm or 500mm

DTM Metal insulation support.

Fire protection tested for fire-resistant insulating boards.



Performance

- The DTM is a metal insulation support with fire resistance F 120. It can be used where there are fire resistance requirements.
- Use with washer DTM 80 plate (available separately) to fix soft insulating materials.

TEK Screws.

TEK Screws® for retention of composite panels to structural steels



Benefits

- Fastening composite panel applications to light gauge cold-formed steel, hot-rolled steel and extruded aluminium substrates.
- 5/16 (8mm) or 5/16 (8mm) hexagonal male socket
- High-performance SAE C1022 carbon steel self-drilling point ensures industry leading performance is maintained.
- Coarse under-head threading locks fastener head into place on surface of profiled metal fascia's on composite panels.

DHM 70 Insulation Washer.

The insulation washer is the ideal addition for increasing the disc surface of the fischer insulation support DHM.

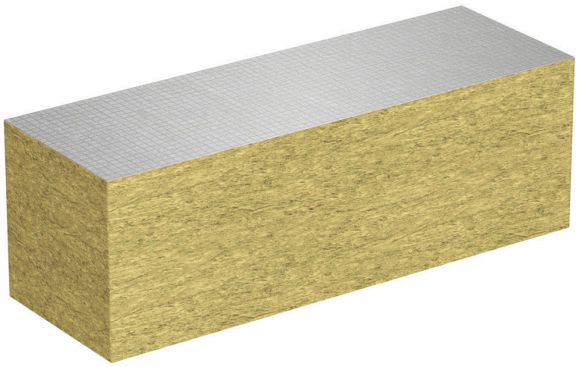
Benefits

- Hole diameter 8mm.
- Suitable for use with self drilling insulation screws.
- Stainless steel version SS304 for use in wet and outdoor areas.
- Suitable for use with both soft and rigid insulation materials.
- The insulation disc is placed on the metal insulation screw before installation.

Hole diameter 8mm
Thickness 0.7mm



FCFcl Cavity FireStop Clad to protect the building void between the inner and outer construction elements



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

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.

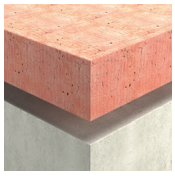
Performance

- FCFcl Cavity Clad comprises of a one piece closed dimension stone wool core.
- The product is encased with an aluminum foil face which provides class 'O' rating and exhibits excellent resistance to smoke.
- The FCFcl Cavity Clad 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.

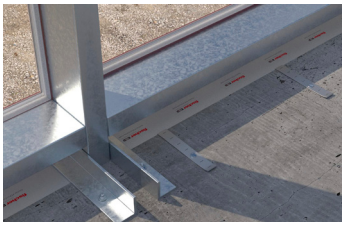
Installations

- Horizontal and vertical cavities between the inner and outer construction elements.
- Ceiling Cavity Barriers.
- Under Floor Cavity Barriers.
- Slab Edge Barriers.

Applications


Recommendation



Approvals

ETA-17/0448
0843-CPR-0361

Approved CF 5659

British Standard
BS476-20

BS EN1366-4: 2006

FFB ES ElastoSeal elastomeric fire resistant coating for construction joints and assemblies



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

Benefits

- Openings up to 24“ (600 mm) wide.
- 50% movement capabilities.
- Working temperature between -10°C to +95°C.
- Can be sprayed or applied by brush.
- Air permeability.
- Acoustic performance.
- 80kg/m^3 stone wool base.
- 2.5mm WFT required.

Performance

- 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/m^3 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 EI 240.

Installations

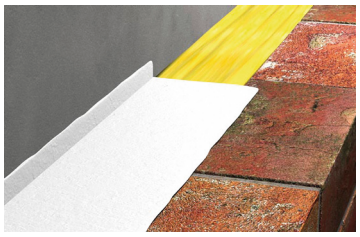
- Linear joints in construction elements up to 20“ (500 mm) wide
- Floor to floor
- Wall to wall
- Head of wall
- Bottom of wall
- Curtain wall

Applications





Recommendation



Approvals

ETA-15/0203
1121/-CPR-JA5065

British Standard BS EN 10140

BS EN 1366-4:2006

BS EN 1026

BS EN 1027

fischer

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