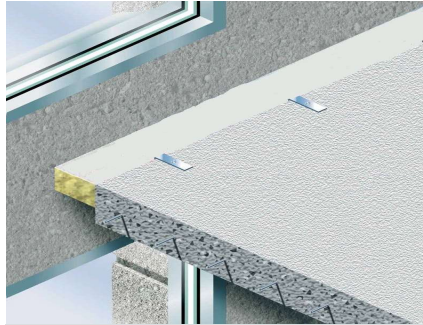


fischer FirelBarr - Building Envelop Fire Barrier Systems



Designed to protect the building void between the inner and outer construction elements



FCFcl Cavity Clad - Horizontal Application



FCFcl Cavity Clad - Vertical Application

BUILDING MATERIALS

- Concrete slabs, columns and walls
- Curtain wall assemblies
- Stone cladding, etc.

ASSESSMENT/APPROVAL



ETA 17/0448
0843-CPR-0361

BS EN1366-4: 2006

BS EN ISO 10140-3 : 1995

BS EN 1026

British Standard

BS 476 - 20

ADVANTAGES

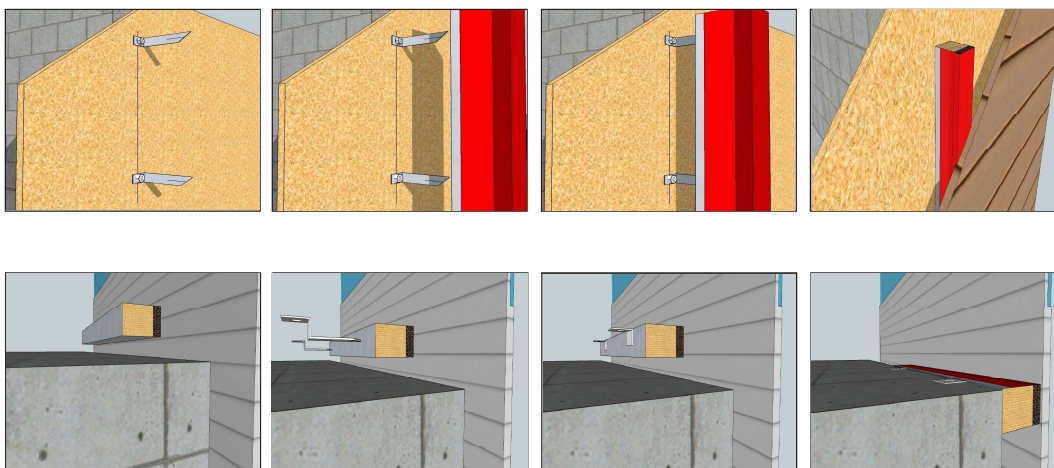
- Tested to EN 1366-4 & BS 476
- Classification to EN 13501-2, EN 13501-1.
- Air Permeability to EN 1026 to 600Pa.
- Acoustic Isolation to EN 10140 to 31dB
- GWP of 0% Global Warming Potential.
- ODP of 0% Ozone Depletion Potential.
- Superior Level of Sustainability
- Encased Fibre Migration for Air Plenum Use.
- Brackets included in the pack.
- Life expectancy of over 25 years.
- Contributes to Green Building
- Floor voids up to 590mm wide.
- Wall voids up to 560mm wide.

APPLICATIONS

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

FUNCTIONING

- 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.



SPECIFICATIONS FFB-VS

Item	Art.-No.	Dimension of Panel [mm]	Colour	Fire rating	Sales unit [pcs]
FCFcl 75	546210	1200 x 600 x 75	silver	Up to 2*	1
FCFcl 100	53046	1200 x 600 x 100	silver	Up to 2*	1
FCFcl 1200	546209	1200 x 1200 x 100	silver	Up to 2*	1
Multi Purpose Bracket	58577	390 x 25 x 2	silver	Up to 2*	1

IMPORTANT: Please provide TOTAL cavity width for your application, excluding any insulation there might be.

FCFcl Cavity Clad shall be cut 10mm (3/8 in.) over size.

*Depending on design & configuration of the FCFcl Cavity Clad.

TECHNICAL DATA

Description	Foil faced structural stone wool composite
Fire resistance - FCFcl	BS467 20 / EN1366-4 up to 120min
Classification	EN 13501-2:2007 + A1:2009 ,ETAG Q26
Thermal	0.35 to 0.36W/mk
Density	80 kg/m3
Build	Stone wool - 80 kg/m3 intumescent 1.3 g/cm3
Acoustic (EN10140)	31db
Air Permeability (EN1026)	600 pa- 100 pa 2.6/4.2 m3/h/m2
Thickness	75 mm & 100 mm
Dimensions	1200 x 600 & 1200 x 1200
Compression	Min 10mm
Brackets	Required over cavity of 150 mm (2 per meter)

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



BUILDING MATERIALS

- Concrete
- Hollow blocks made from lightweight concrete
- Vertically perforated brick
- Perforated sand-lime brick
- Solid sand-lime brick
- Natural stone with dense structure
- Aerated concrete
- Solid brick made from lightweight concrete
- Solid brick

ASSESSMENT/APPROVAL



ADVANTAGES

- The metal insulation support achieves fire resistance F 120. This means that it can be used where there are fire resistance requirements.
- The DTM 80 plate for soft insulating materials (available separately) simplifies storage and minimises costs.
- The simple hammer-set installation allows for a quick installation process and thus reduces workload.
- The shaft geometry allows setting in aerated concrete without pre-drilling, thus saving a stage of installation.
- Stainless steel version DHM A2 (1.4301) for wet and exterior applications.

APPLICATIONS

To fix fire-resistant soft or pressure-resistant insulating materials, such as:

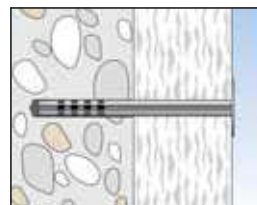
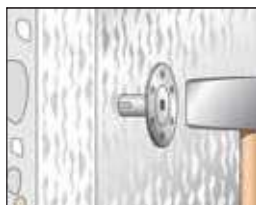
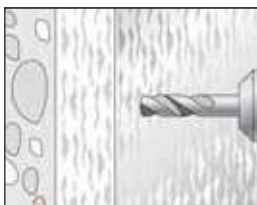
- Mineral / glass wool
- Light building boards made of wood wool
- Foam glass tiles

Also suitable for:

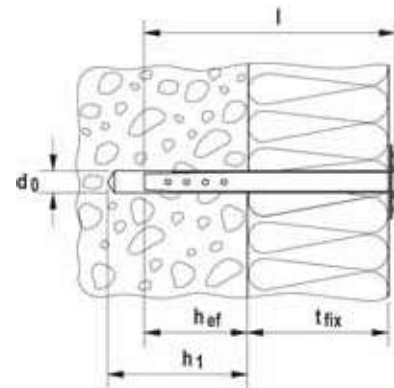
- Polystyrene boards
- Coir matting

FUNCTIONING

- The 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.



TECHNICAL DATA



Insulation support metal **DHM**,
washer-ø 35 mm

Insulation retaining metal washer **DTM 80**,
washer-ø 80 mm, inside-ø 11 mm

	galvanised steel	stainless steel A2	Approval	Drill hole dia- meter	Min. drill hole depth	Effect. anchorage depth	Anchor length	Usable length	Sales unit
	Art.-No.	Art.-No.	DIBt	d ₀ [mm]	h ₁ [mm]	h _{ef} [mm]	l [mm]	t _{fix} [mm]	[pcs]
Item	fvz	A2							
DHM 40	536253	536262	•	8	50	40	80	10 - 40	250
DHM 70	536254	536264	•	8	50	40	110	40 - 70	250
DHM 100	536256	536265	•	8	50	40	140	70 - 100	250
DHM 130	536257	536266	•	8	50	40	170	100 - 130	250
DHM 160	536258	536267	•	8	50	40	200	130 - 160	250
DHM 210	536259	536268	•	8	50	40	250	170 - 210	125
DHM 260	536260	536269	•	8	50	40	300	220 - 260	125
DTM 80	536261	536271	—	—	—	—	—	—	250

ACCESSORIES



Cover cap **DHM ADK-W**



Cover cap **DHM ADK-GR**



Cover cap **DHM ADK-BG**

Item	Art.-No.	Diameter d [mm]	Colour	Outer carton [pcs]	Sales unit [pcs]			
DHM ADK-W	013330	37	white	5000	250			
DHM ADK-GR	046843	37	grey	10000	250			
DHM ADK-BG	046844	37	beige	2500	250			

LOADS

Insulation support DHM

Highest recommended loads¹⁾ for a single anchor.

Type			DHM
Recommended loads in the respective base material F _{rec} ²⁾			
Concrete ³⁾	≥ C12/15	[kN]	0,25
Solid brick	Mz 12	[kN]	0,25
Solid sand-lime brick	KS 12	[kN]	0,25
Aerated concrete (without pre-drilling)	≥ PB2, PP2 (G2)	[kN]	0,10

¹⁾ Includes the safety factor 4.

²⁾ Valid for tensile load.

³⁾ German approval in cracked concrete 0,07 [kN].

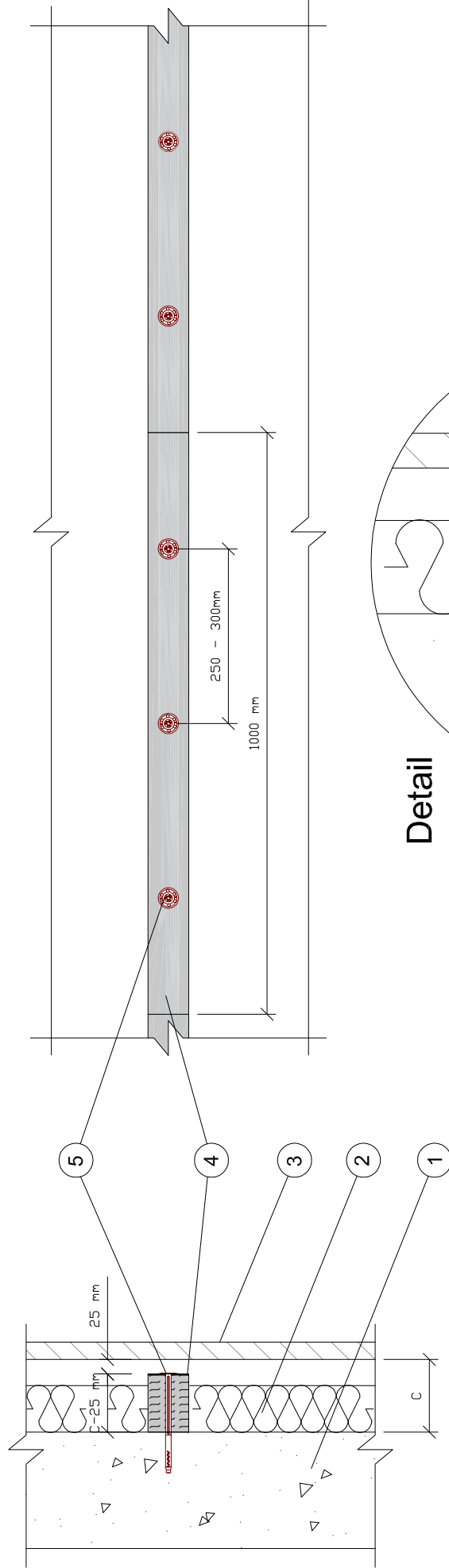
ACCESSORIES



Items to order only		Tool holder	Fits	Sales unit
Item	Art.-No.			[pcs]
EA II S-SDS 6	048065	SDS plus	EA II M 6	1

Standard Detail

Open State - Rainscreen Fire Barrier up to 300 mm (12 in)



Detail

- 1 Substrate
- 2 Insulation
- 3 Cladding Material
- 4 fischer FFB VS Ventistop
- 5 fischer DHM Metal Insulation Anchor for cavities up to 300 mm (12 in)

Note: fischer FFB VS Ventistop is manufactured to project specification

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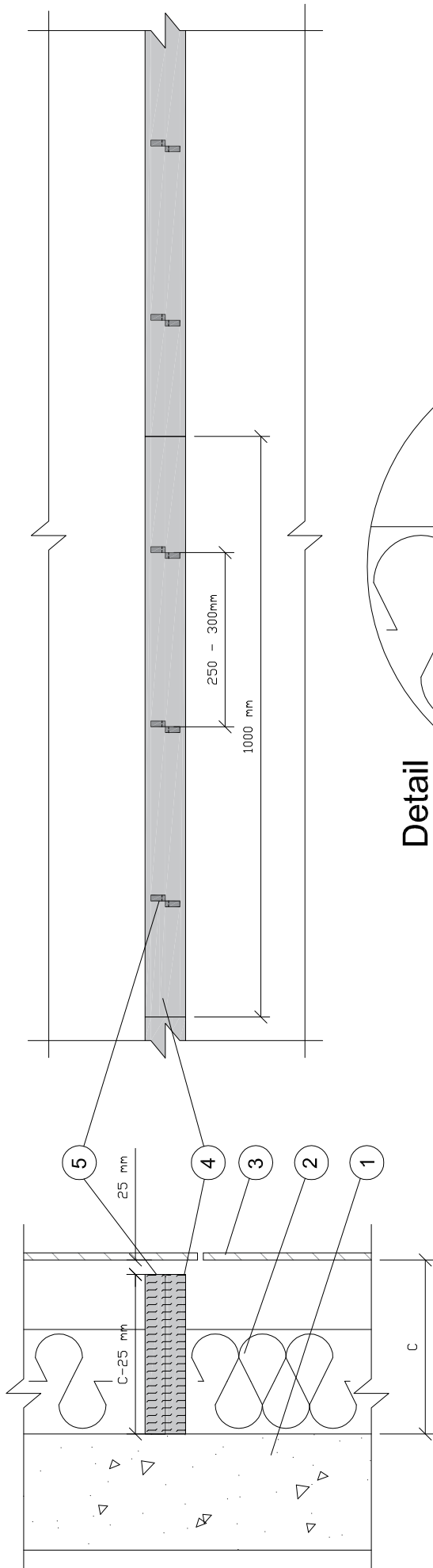
fischer  **FIRE STOP**

All information contained herein is based on data furnished to fischerwerke GmbH by a third party which we believe to be accurate and reliable. The judgement is based on the structural depiction's and associated job site conditions and should be field verified. The Judgement relates to the expected performance of the proposed detail, were it to be subjected to the standardised test against which the judgment was made. User must obtain approval from the specifying architect, engineer and/or inspector having jurisdiction of the project prior to installation

fischerwerke GmbH & CO. KG, Klaus Fischer Straße 1, 72178 Waldachtal, DEUTSCHLAND

Standard Detail

Open State - Rainscreen Fire Barrier greater than 300 mm (12 in)



Detail

- 1 Substrate
- 2 Insulation
- 3 Cladding Material
- 4 fischer FFB VS Ventistop
- 5 Bracket for cavities greater than 300 mm (12 in)

Note: fischer FFB VS Ventistop is manufactured to project specification

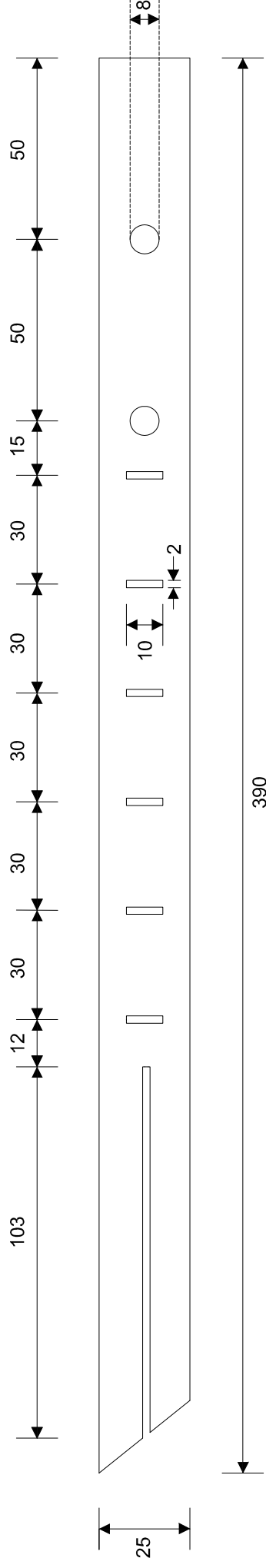
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fischer FCFcl Fixing Bracket Detail

0.9mm Galv. Steel



All edges smooth
Remove burrs and draw down
Material:
TOLERANCE +/- 0.02
NOM 20 GA (0.9 mm)

DO NOT SCALE - REF ONLY



Contacts

fischerwerke GmbH & Co. KG
Klaus-Fischer-Straße 1
72178 Waldachtal
Germany

Phone: (0049) 7443 12-0
Fax: (0049) 7443 12-4222
E-mail info@fischer.de
www.fischer.de

fischer fixings UK Ltd.
Whitely Road
Oxon OX10 9AT Wallingford
Great Britain

Phone: (0044) 1491 827900
Fax: (0044) 1491 827953
E-mail info@fischer.co.uk
www.fischer.co.uk

fischer Systems Asia Pte. Ltd.
150 Kampong Ampat
#04-03 KA Centre
Singapore 368324

Phone: (0065) 62 85 22 07
Fax: (0065) 62 85 83 10
E-mail sales@fischer.sg

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