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Waldachtal, 03<sup>th</sup> of April 2019

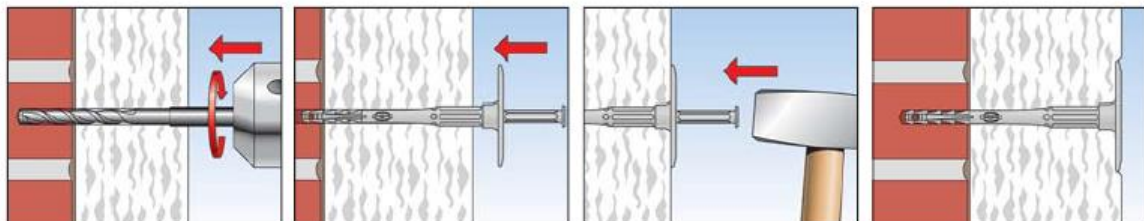
## To whom it may concern

### fischer FIF-CN II 8 is suitable for soffit application

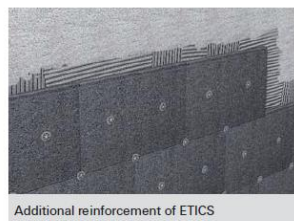
The visible underside of an arch, balcony, beam, cornice, staircase, vault or any other architectural element could be filling with a external thermal insulation system with rendering.

**For fixing** of this external thermal insulation with the base material **is suitable with ETA a fischer FIF-CN II 8** under the condition explained into the instructions and load table above

Assembly Instructions:



## Technical Data:



### BUILDING MATERIALS

- Building material classes A, B, C, D, E
- Concrete
- Full blocks made from concrete
- Building brick
- Solid sand-lime brick
- Hollow blocks made from lightweight concrete
- Vertically perforated brick
- Perforated sand-lime brick
- Lightweight aggregate concrete
- Aerated concrete

### APPROVALS



Seite 1 von 3

#### Firmendaten

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Marc-Sven Mengis, Claudia Rothe  
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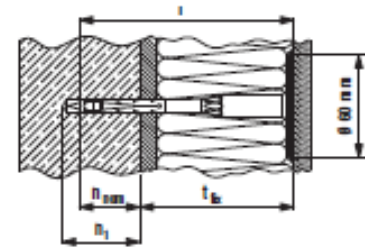
#### Bankverbindung

Baden-Württembergische Bank  
BLZ 600 501 01, Kto. 4 903 000  
IBAN  
DE98 6005 0101 0004 9030 00  
SWIFT SOLADEST600





Render fixing FIF-CN II 8



$t_{fix}$  = thickness of insulation + glue + old render

For building material categorie A, B, C

Item	Art.-No.	Approval ETA	Drill hole diameter $d_0$ [mm]	Min. drill hole depth $h_1$ [mm]	Min. anchorage depth $h_{100}$ [mm]	Anchor length $l$ [mm]	Max. fltture thickness $t_{fix}$ [mm]	Disc $\varnothing$ [mm]	Sales unit [pcs]
FIF-CN II 8/60	546443	■	8	35	45	108	70	60	100
FIF-CN II 8/80	546444	■	8	35	45	128	90	60	100
FIF-CN II 8/100	546445	■	8	35	45	148	110	60	100
FIF-CN II 8/120	546446	■	8	35	45	168	130	60	100
FIF-CN II 8/140	546447	■	8	35	45	188	150	60	100
FIF-CN II 8/160	546448	■	8	35	45	208	170	60	100
FIF-CN II 8/180	546449	■	8	35	45	228	190	60	100
FIF-CN II 8/200	546450	■	8	35	45	248	210	60	100
FIF-CN II 8/220	546451	■	8	35	45	268	230	60	100
FIF-CN II 8/240	546452	■	8	35	45	288	250	60	100
FIF-CN II 8/260	546453	■	8	35	45	308	270	60	100
FIF-CN II 8/280	546454	■	8	35	45	328	290	60	100
FIF-CN II 8/300	546455	■	8	35	45	348	310	60	100
FIF-CN II 8/320	546456	■	8	35	45	368	330	60	100
FIF-CN II 8/340	546457	■	8	35	45	388	350	60	100

For building material categorie D, E

Item	Art.-No.	Approval ETA	Drill hole diameter $d_0$ [mm]	Min. drill hole depth $h_1$ [mm]	Min. anchorage depth $h_{100}$ [mm]	Anchor length $l$ [mm]	Max. fltture thickness $t_{fix}$ [mm]	Disc $\varnothing$ [mm]	Sales unit [pcs]
FIF-CN II 8/60	546443	■	8	55	65	108	50	60	100
FIF-CN II 8/80	546444	■	8	55	65	128	70	60	100
FIF-CN II 8/100	546445	■	8	55	65	148	90	60	100
FIF-CN II 8/120	546446	■	8	55	65	168	110	60	100
FIF-CN II 8/140	546447	■	8	55	65	188	130	60	100
FIF-CN II 8/160	546448	■	8	55	65	208	150	60	100
FIF-CN II 8/180	546449	■	8	55	65	228	170	60	100
FIF-CN II 8/200	546450	■	8	55	65	248	190	60	100
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FIF-CN II 8/280	546454	■	8	55	65	328	270	60	100
FIF-CN II 8/300	546455	■	8	55	65	348	290	60	100
FIF-CN II 8/320	546456	■	8	55	65	368	310	60	100
FIF-CN II 8/340	546457	■	8	55	65	388	330	60	100

## Load table of the fixing fischer FIF-CN II 8

### Render fixing FIF-CN II 8 3)

Highest permissible loads for a single anchor<sup>1)4)</sup> for fixing of external thermal insulation composite systems with rendering.

For the design the complete assessment ETA-18/0393 has to be considered.

Base material	Brick raw density P [kg/dm <sup>3</sup> ]	Minimum compressive brick strength f <sub>b</sub> [N/mm <sup>2</sup> ]	Min. embedment depth h <sub>nom</sub> [mm]	Min. member thickness h <sub>min</sub> [mm]	Beton und Mauerwerk <sup>2)</sup>		
					Permissible tensile load <sup>3)</sup> N <sub>perm</sub> [kN]	Minimum spacing <sup>2)</sup> s <sub>min</sub> [mm]	Minimum edge distance <sup>2)</sup> c <sub>min</sub> [mm]
<b>Concrete according to EN 206-1:2000</b>							
FIF-CN II 8	C12/15 - C50/60		35 <sup>5)</sup>	100	0,25	100	100
<b>Solid clay bricks Mz according to EN 771-1:2011</b>							
FIF-CN II 8	≥ 2,0	12	35 <sup>5)</sup>	100	0,25	100	100
<b>Vertically perforated clay bricks HLz according to EN 771-1:2011</b>							
FIF-CN II 8	≥ 1,0	12	35 <sup>5)</sup>	100	0,17	100	100
<b>Lightweight aggregate concrete LAC according to EN 1520:2011</b>							
FIF-CN II 8	≥ 0,8	6	55 <sup>5)</sup>	100	0,17	100	100
<b>Autoclaved aerated concrete blocks AAC according to EN 771-4:2011</b>							
FIF-CN II 8	≥ 0,5	4	55 <sup>5)</sup>	100	0,10	100	100

<sup>1)</sup> The partial safety factors for material resistance as regulated in the assessment as well as a partial safety factor for load actions of  $\gamma_L = 1,6$  berücksichtigt.

<sup>2)</sup> Possible minimum spacing resp. edge distance according to assessment.

<sup>3)</sup> Plastic anchor for fixing of external thermal insulation composite systems with rendering according to ETAG014. Only tensile wind loads are permitted.

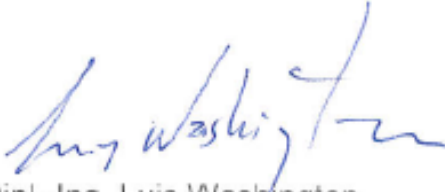
<sup>4)</sup> The given loads are valid for installation and use of fixations in dry base material for temperatures in the substrate up to +24 °C (resp. short term up to +40 °C).

<sup>5)</sup> Restrictions concerning the manufacturer and the permissible hole patterns as well as the web thickness see assessment.

<sup>6)</sup> Drill method hammer drilling.

<sup>7)</sup> Hammer drilling.

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