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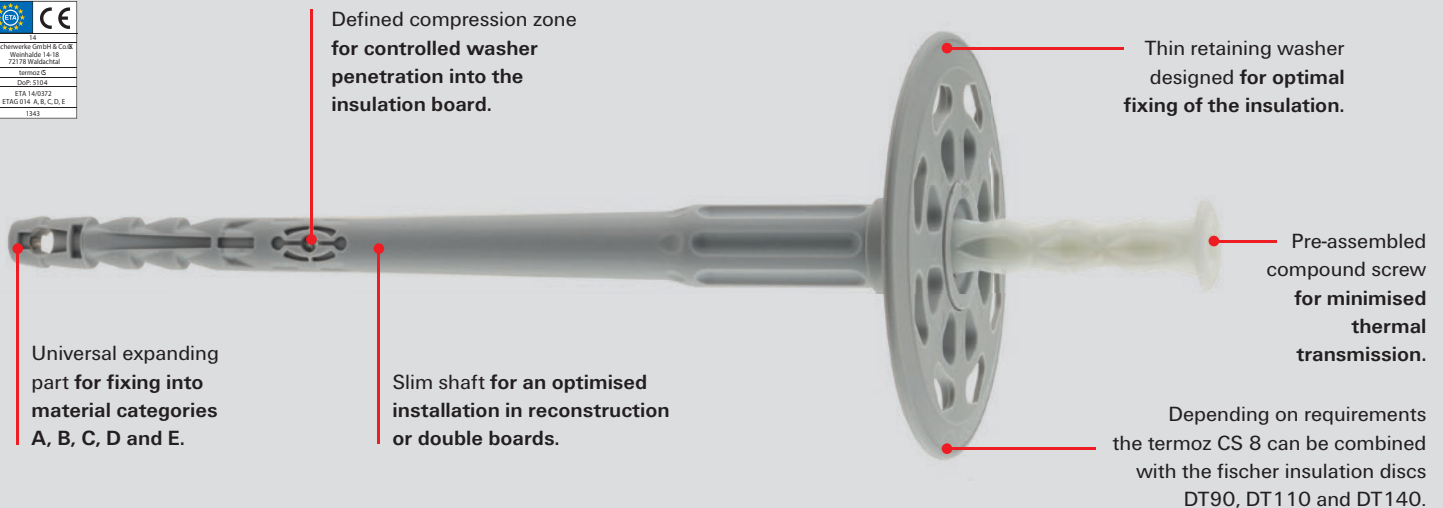
termoz CS 8

termoz CS 8 DT 110V

The economical ETICS screwed anchors for all kinds of insulation boards.



termoz CS 8 / termoz CS 8 DT 110V – the economical ETICS screwed anchors for all kinds of insulation boards.



Building materials

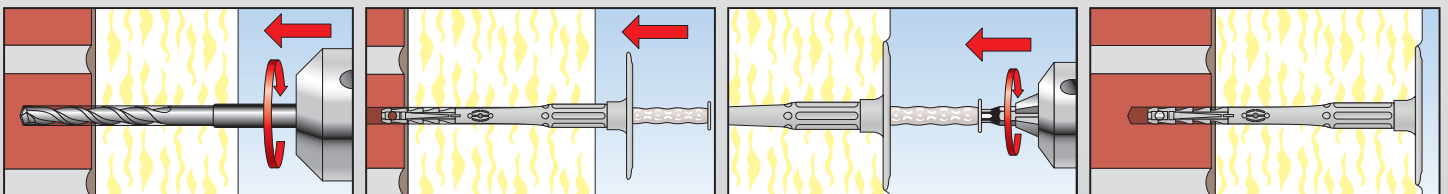


- Suitable for:
concrete, solid brick, solid sand-lime brick, solid block made from lightweight or normal weight concrete, vertically perforated brick, perforated sand-lime brick, lightweight aerated concrete, aerated concrete, hollow block made from lightweight concrete

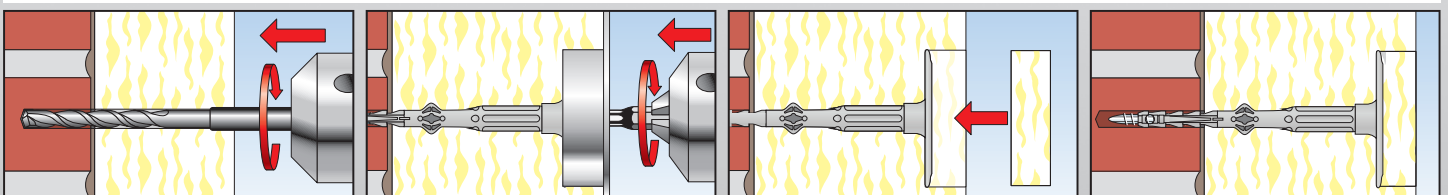
Your advantages at a glance

- One fixing for all building material categories and insulation boards.
- Quick and easy installation with a standard hammer drill or cordless screw driver.
- Minimum anchorage depth of 35 mm allows for fast installation (25 mm in material category C).
- Countersunk installation: the anchor plate is covered with a cap, thus creating a homogeneous insulation surface allowing for thin render systems.
- The compound screw minimises the thermal bridge. Minimizing any heat losses.
- Private label washers for your individual CD.

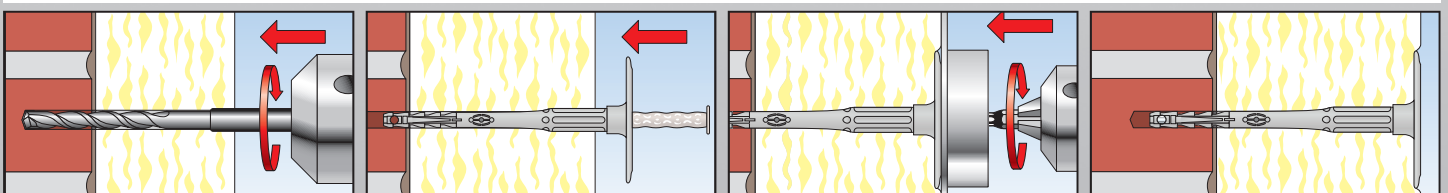
Standard: Mounting on the surface with standard T30 bit (length 110 - 230 mm).



Standard: Countersunk mounting with setting tool CS.



Optional: Mounting on the surface with setting tool CS.



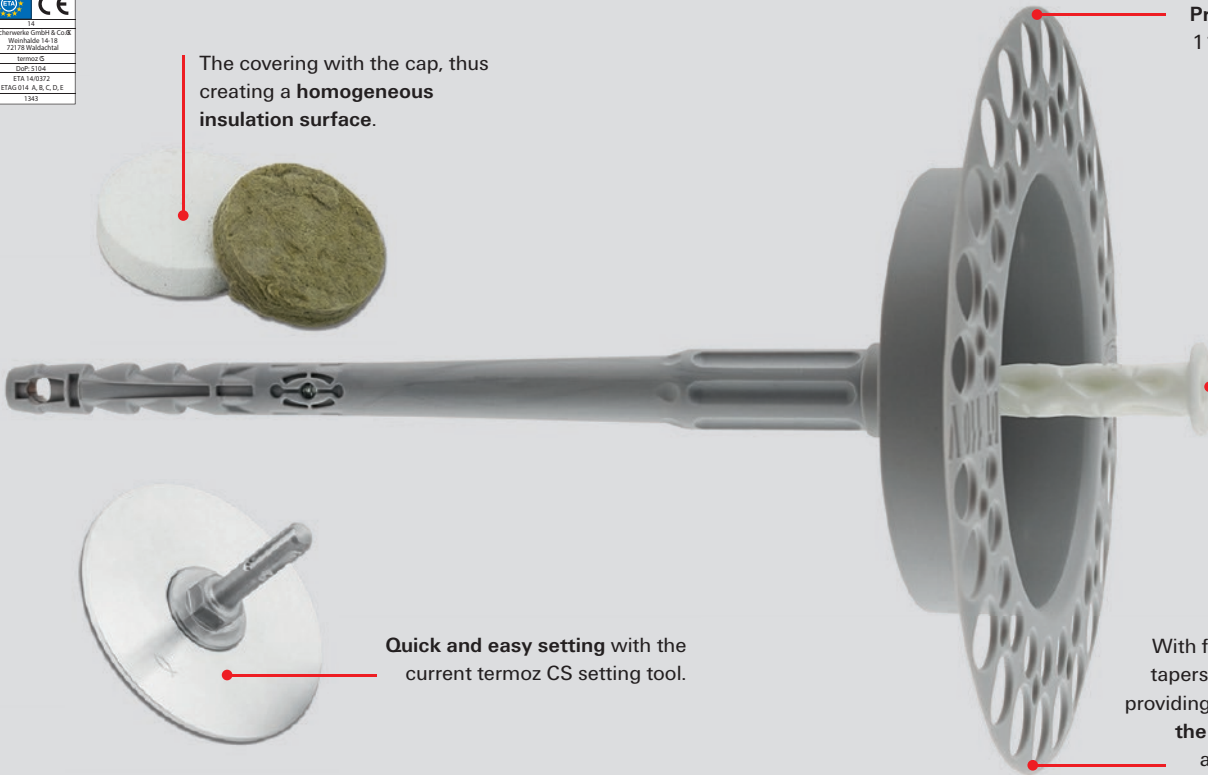


The covering with the cap, thus creating a **homogeneous insulation surface**.



Pre-assembled anchor with a 110 mm washer for setting in soft insulation boards.

Compound screw **minimises the thermal bridge**.



Quick and easy setting with the current termoz CS setting tool.

With flush installation, the disc tapers to a very thin edge, thus providing for **optimal retaining of the insulation panel** and for application of thin render.

Building material

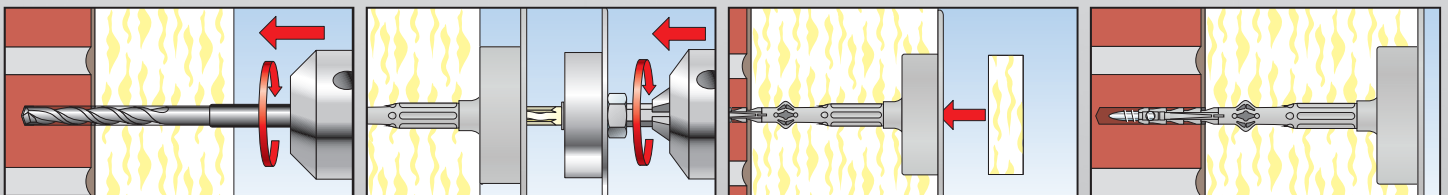


- Suitable for:
concrete, solid brick, solid sand-lime brick, solid block made from lightweight or normal weight concrete, vertically perforated brick, perforated sand-lime brick, lightweight aerated concrete, aerated concrete, hollow block made from lightweight concrete.

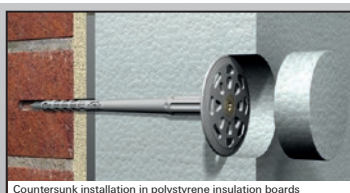
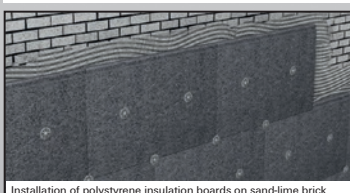
Your advantages at a glance

- One fixing for all building material categories for fixings in soft insulation boards.
- Quick and easy installation with a standard hammer drill or cordless screw driver.
- Minimum anchorage depth of 35 mm allows for fast installation (25 mm in material category C).
- Countersunk installation with the mineral wool cap provides a smooth surface for thinner render layer.
- The compound screw minimises the thermal bridge. Minimizing any heat losses.

Standard: Countersunk mounting with setting tool CS.



Application



Accessories and loads.

termoz CS 8 / termoz CS 8 DT 110V³⁾

Highest permitted loads¹⁾⁴⁾ of an anchor for multiple use.

For calculating the whole assessment ETA-14/0372 has to be considered.

				Concrete and masonry		
stone pipe density	min. stone compressive	min. anchorage depth	min. component thickness	permitted tensile load ³⁾	min. axis distance ²⁾	min. edge distance ²⁾
[kg/dm³]	f _b [N/mm²]	h _{nom} [mm]	H _{min} [mm]	N _{zul} [kN]	s _{min} [mm]	c _{min} [mm]
Concrete						
C12/15 - C45/55		35 ⁶⁾	100	0,40	100	100
C50/60				0,50		
Weather shell concrete						
C20/25 - C45/55		35 ⁶⁾ 5)	42	0,40	100	100
C50/60				0,50		
Building bricks pursuant DIN 105-100:2012-01, EN 771-1:2011, Mz						
≥ 1,8	20	35 ⁶⁾	100	0,50	100	100
Solid sand-lime brick pursuant DIN V 106:2005-10, EN 771-2:2011, KS						
≥ 1,8	20	35 ⁶⁾	100	0,50	100	100
	12			0,30		
Solid block made from leightweight concrete pursuant DIN V 18152-100:2005-10, EN 771-3:2011, Vbl						
≥ 1,4	8	35 ⁶⁾	100	0,17	100	100
Concrete solid brick pursuant DIN V 18152-100:2005-10, EN 771-3:2011, Vbn						
≥ 2,0	20	35 ⁶⁾	100	0,40	100	100
	12	35 ⁶⁾	100	0,25		
Hollow brick pursuant DIN V 105-100:2012-01, EN 771-1:2011, HLz						
≥ 1,0	12	35 ^{7) 8)}	100	0,20	100	100
≥ 1,6	48			0,50		
Perforated sand-lime brick pursuant DIN V 106:2005-10, EN 771-2:2011, KSL						
≥ 1,4	20	35 ^{6) 8)}	100	0,30	100	100
	12			0,17		
Hollow block made from lightweight concrete pursuant DIN V 18153-100:2005-10, EN 771-3:2011, Hbl						
≥ 0,9	4	35 ^{6) 8)}	100	0,17	100	100
Hollow block made from concrete pursuant DIN V 18153-100:2005-10, EN 771-3:2011, Hbn						
≥ 1,2	10	35 ^{6) 8)}	100	0,40	100	100
	8			0,30		
	6			0,25		
	4			0,17		
Lightweight concrete pursuant DIN EN 1520, LAC						
≥ 0,9	6	35 ⁶⁾	100	0,25	100	100
Solid block made from aerated concrete pursuant DIN V 4165-100:2005-10, EN 771-4, AAC						
≥ 0,5	4	35 ⁷⁾	100	0,10	100	100
	4	35 ⁷⁾		0,20		

¹⁾ The partial safety factor of the resistances and a partial safety factor of a effect of γ_F = 1,5 are arranged in the assessment.

²⁾ Smallest possible edge distance or axis distance pursuant assessment.

³⁾ Anchors for fixing of exteriors insulation combined systems with plaster layer pursuant ETAG014. Only tensile loads of wind effects permitted.

⁴⁾ The specified permitted loads are legal for assembly and usage of anchorage in a dry underground for temperatures up to +24 °C (or. temporary up to +40 °C).

⁵⁾ Anchorage depth up to 45 mm permitted.

⁶⁾ Drilling process hammer drilling.

⁷⁾ Drilling process rotary drilling

⁸⁾ In masonry of building categorie C an anchoring depth of h_{nom} = 25 mm is possible with the same loads.

Accessories

Description	Item no.	Ø [mm]	VE / [piece]
Caps PS white	046173	60	100
Caps MW D60 (mineral wool)	046172	60	100
Caps MW D65 (mineral wool)	525654	65	100
termoz CS setting tool Hexa*	532618		1
termoz CS setting tool SDS*	532619		1
Bit T 30 CS 26 mm**	533761		1
Bit T 25 CS 98,5 mm**	533762		1
Bit T 25 CS 178,5 mm**	533763		1
DT 90***	008869	90	100
DT 110***	090745	110	100
DT 140***	008690	140	100

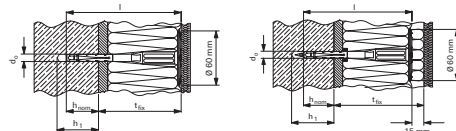
* incl. Bit T30

** suitable for setting tool CS

*** suitable for termoz CS8



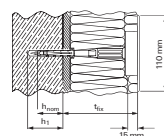
Product range and technical data.



termoz CS 8													
Product	Art.-No.	Approval	Anchor length	Anchor nominal length	Drill hole diameter	Min. anchorage depth	Surface installation		Countersunk installation		Drive	Washer-Ø	Sales unit
							Min. drill hole depth	Effect. length	Min. drill hole depth	Effect. length			
		ETA	l [mm]	l [mm]	d _o [mm]	h _{nom} [mm]	h ₁ [mm]	t _{fix} [mm]	h ₁ [mm]	t _{fix} [mm]			
termoz CS 8/110 *	531960	■	108	110	8	35	45	70	-	-	T 30	60	100
termoz CS 8/130	531970	■	128	130	8	35	45	90	60	90	T 30	60	100
termoz CS 8/150	531974	■	148	150	8	35	45	110	60	110	T 30	60	100
termoz CS 8/170	531976	■	168	170	8	35	45	130	60	130	T 30	60	100
termoz CS 8/190	531978	■	188	190	8	35	45	150	60	150	T 30	60	100
termoz CS 8/210	531982	■	208	210	8	35	45	170	60	170	T 30	60	100
termoz CS 8/230	531984	■	228	230	8	35	45	190	60	190	T 30	60	100
termoz CS 8/250	531987	■	248	250	8	35	45	210	60	210	T 25	60	100
termoz CS 8/250 R	531989	■	248	250	8	35	45	210	60	210	T 25	60	100
termoz CS 8/270	531991	■	268	270	8	35	45	230	60	230	T 25	60	100
termoz CS 8/270 R	531993	■	268	270	8	35	45	230	60	230	T 25	60	100
termoz CS 8/290	531995	■	288	290	8	35	45	250	60	250	T 25	60	100
termoz CS 8/290 R	531997	■	288	290	8	35	45	250	60	250	T 25	60	100
termoz CS 8/310	532000	■	308	310	8	35	45	270	60	270	T 25	60	100
termoz CS 8/310 R	532003	■	308	310	8	35	45	270	60	270	T 25	60	100
termoz CS 8/330	532006	■	328	330	8	35	45	290	60	290	T 25	60	100
termoz CS 8/350	532008	■	348	350	8	35	45	310	60	310	T 25	60	100
termoz CS 8/370	532011	■	368	370	8	35	45	330	60	330	T 25	60	100
termoz CS 8/390	532014	■	388	390	8	35	45	350	60	350	T 25	60	100

* Not for countersunk mounting. Starting from a length of 250 mm the T25 bit Art.-No. 533763 is needed.

R= Version with a long slim shaft for renovation to be installed with bit T25, Art.-No. 533762.



termoz CS 8 DT 110V											
Product	Art.-No.	Approval	Anchor length	Anchor nominal length	Drill hole diameter	Min. anchorage depth	Min. drill hole depth	Effect. length	Drive	Washer-Ø	Sales unit
		ETA	l [mm]	l [mm]	d _o [mm]	h _{nom} [mm]	h ₁ [mm]	t _{fix} [mm]		r _d [mm]	[pcs]
termoz CS 8/130 DT110V	534896	■	143	130	8	35	60	90	T 30	110	100
termoz CS 8/150 DT110V	534898	■	163	150	8	35	60	110	T 30	110	100
termoz CS 8/170 DT110V	534899	■	183	170	8	35	60	130	T 30	110	100
termoz CS 8/190 DT110V	534900	■	203	190	8	35	60	150	T 30	110	100
termoz CS 8/210 DT110V	534901	■	223	210	8	35	60	170	T 30	110	50
termoz CS 8/230 DT110V	534902	■	243	230	8	35	60	190	T 30	110	50
termoz CS 8/250 DT110V	534903	■	263	250	8	35	60	210	T 25	110	50
termoz CS 8/250 R DT110V	534904	■	263	250	8	35	60	210	T 25	110	50
termoz CS 8/270 DT110V	534905	■	283	270	8	35	60	230	T 25	110	50
termoz CS 8/270 R DT110V	534906	■	283	270	8	35	60	230	T 25	110	50
termoz CS 8/290 DT110V	534907	■	303	290	8	35	60	250	T 25	110	50
termoz CS 8/290 R DT110V	534908	■	303	290	8	35	60	250	T 25	110	50
termoz CS 8/310 DT110V	534909	■	323	310	8	35	60	270	T 25	110	50
termoz CS 8/310 R DT110V	534910	■	323	310	8	35	60	270	T 25	110	50
termoz CS 8/330 DT110V	534911	■	343	330	8	35	60	290	T 25	110	50
termoz CS 8/350 DT110V	534912	■	363	350	8	35	60	310	T 25	110	50
termoz CS 8/370 DT110V	534913	■	383	370	8	35	60	330	T 25	110	50
termoz CS 8/390 DT110V	534914	■	403	390	8	35	60	350	T 25	110	50

Starting from a length of 250 mm the T25 bit Art.-No. 533763 is needed.

R = Version with a long slim shaft for renovation to be installed with bit T25, Art.-No. 533762.

fischer FIXPERIENCE.

The design and information software suite.



- The modular design program includes engineering software and application modules.
- The software is based on international design standards (ETAG 001 and EC2, such as EC1, EC3 and EC5), including the national application documents. All common force and measurement units are available.
- Incorrect input will be recognized and the software gives tips to get a correct result. This ensures a safe and reliable design every time.
- The graphical display can easily be rotated through 360°, panned, tilted or zoomed as required.
- The 3D display gives a detailed and realistic image.
- The "live update" feature helps to keep the program up to date ensuring you are always working with the latest version.
- Free download and updates at www.fischer.de/fixperience-en

Our service to you.



We are available to you at any time as a reliable partner to offer technical support and advice:

- Our products range from chemical resin systems to steel anchors through to nylon anchors.
- Competence and innovation through own research, development and production.
- Global presence and active sales service in over 100 countries.
- Qualified technical consulting for economical and compliant fastening solutions. Also on-site at the construction site if requested.
- Training sessions, some with accreditation, at your premises or at the fischer ACADEMY.
- Design and construction software for demanding applications.

Regional Presence

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