

DECLARATION OF PERFORMANCE
NR. 0903450200_02_M_WIT-VM 250(1)

LANGUAGE VERSIONS :

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ETA-12/0164 (EN)	4
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DECLARATION OF PERFORMANCE

No. 0903450200_02_M_WIT-VM 250(1)

**This is an English translation of the original German wording.
In cases of doubt, the German version applies**

- | | |
|--|--|
| 1. Unique identification code of the product type: | Würth Injektionssystem WIT-VM 250 und WIT-Nordic
[Würth WIT-VM 250 and WIT-Nordic injection system]
Art. no.: 0903 450 2*; 0903 450 102; 090546*; 090547*; 59151*;
59152*; 59153*; 59160*; 5916108999; 5916110999; 5916112999;
5916116999; 5916208999; 5916210999; 5916212999; 5916216999;
5916408110; 5916410130; 5916412160; 5916416190 |
| 2. Intended use(s): | Bonded anchor for anchoring in concrete |
| 3. Manufactured by: | Adolf Würth GmbH & Co. KG,
Reinhold-Würth-Straße 12-17
D-74653 Künzelsau |
| 4. System(s) of assessment and verification of constancy of performance: | System 1 |
| 5. European Assessment Document:
European Technical Assessment:
Technical Assessment Body:
Notified Body or Bodies: | ETAG 001 Part 5, April 2013
ETA-12/0164 - 11/12/2015
Deutsches Institut für Bautechnik (DIBT), Berlin
2873, Institut für Stahlbau und Werkstoffmechanik (IFSW), Darmstadt |
| 6. Declared performance: | |

Essential characteristics	Performance	Harmonized technical specification
Mechanical resistance and stability (BWR 1)		ETA-12/0164 ETAG 001 Part 5
Characteristic values for tensile and transverse loading	See Annex C 1 to C 4	
Displacements under tensile and transverse loading	See Annex C 5 / C 6	
Fire protection (BWR 2)		
Fire behavior	The dowel fulfills Class A1 requirements	
Fire resistance	No performance determined	

The performance of the above product corresponds to the declared performance. The declaration of performance is issued in compliance with EU Regulation 305/2011 under the sole responsibility of the above manufacturer.

Signed for and on behalf of the manufacturer by:



Frank Wolpert
Authorized Signatory, Head of Product
Management



Dr.-Ing. Siegfried Beichter
(Head of Quality, Authorized Signatory)

Künzelsau, January 01, 2021

Approval body for construction products
and types of construction

Bautechnisches Prüfamt

An institution established by the Federal and
Laender Governments



European Technical Assessment

ETA-12/0164
of 12 November 2015

English translation prepared by DIBt - Original version in German language

General Part

Technical Assessment Body issuing the
European Technical Assessment:

Deutsches Institut für Bautechnik

Trade name of the construction product

Würth Injection system WIT-VM 250 or WIT-Nordic for
concrete

Product family
to which the construction product belongs

Bonded anchor for use in concrete

Manufacturer

Adolf Würth GmbH & Co. KG
Reinhold-Würth-Straße 12-17
74653 Künzelsau
DEUTSCHLAND

Manufacturing plant

Adolf Würth GmbH & Co KG, Plant 3, Germany

This European Technical Assessment
contains

20 pages including 3 annexes which form an integral part
of this assessment

This European Technical Assessment is
issued in accordance with Regulation (EU)
No 305/2011, on the basis of

Guideline for European technical approval of "Metal
anchors for use in concrete", ETAG 001 Part 5: "Bonded
anchors", April 2013,
used as European Assessment Document (EAD)
according to Article 66 Paragraph 3 of Regulation (EU)
No 305/2011.

**European Technical Assessment
ETA-12/0164**

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English translation prepared by DIBt

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Specific Part

1 Technical description of the product

The "Würth Injection system WIT-VM 250 or WIT-Nordic for concrete" is a bonded anchor consisting of a cartridge with injection mortar WIT-VM 250 or WIT-Nordic and a steel element. The steel element consist of a commercial threaded rod with washer and hexagon nut in the range of M8 to M30 or a reinforcing bar in the range of diameter 8 to 32 mm.

The steel element is placed into a drilled hole filled with injection mortar and is anchored via the bond between metal part, injection mortar and concrete.

The product description is given in Annex A.

2 Specification of the intended use in accordance with the applicable European Assessment Document

The performances given in Section 3 are only valid if the anchor is used in compliance with the specifications and conditions given in Annex B.

The verifications and assessment methods on which this European Technical Assessment is based lead to the assumption of a working life of the anchor of at least 50 years. The indications given on the working life cannot be interpreted as a guarantee given by the producer, but are to be regarded only as a means for choosing the right products in relation to the expected economically reasonable working life of the works.

3 Performance of the product and references to the methods used for its assessment

3.1 Mechanical resistance and stability (BWR 1)

Essential characteristic	Performance
Characteristic resistance tension and shear loads	See Annex C 1 to C 4
Displacements under tension and shear loads	See Annex C 5 / C 6

3.2 Safety in case of fire (BWR 2)

Essential characteristic	Performance
Reaction to fire	Anchorage satisfy requirements for Class A1
Resistance to fire	No performance assessed

3.3 Hygiene, health and the environment (BWR 3)

Regarding dangerous substances there may be requirements (e.g. transposed European legislation and national laws, regulations and administrative provisions) applicable to the products falling within the scope of this European Technical Assessment. In order to meet the provisions of Regulation (EU) No 305/2011, these requirements need also to be complied with, when and where they apply..

3.4 Safety in use (BWR 4)

The essential characteristics regarding Safety in use are included under the Basic Works Requirement Mechanical resistance and stability.

English translation prepared by DIBt

4 Assessment and verification of constancy of performance (AVCP) system applied, with reference to its legal base

In accordance with guideline for European technical approval ETAG 001, April 2013 used as European Assessment Document (EAD) according to Article 66 Paragraph 3 of Regulation (EU) No 305/2011 the applicable European legal act is: [96/582/EC].

The system to be applied is: 1

5 Technical details necessary for the implementation of the AVCP system, as provided for in the applicable EAD

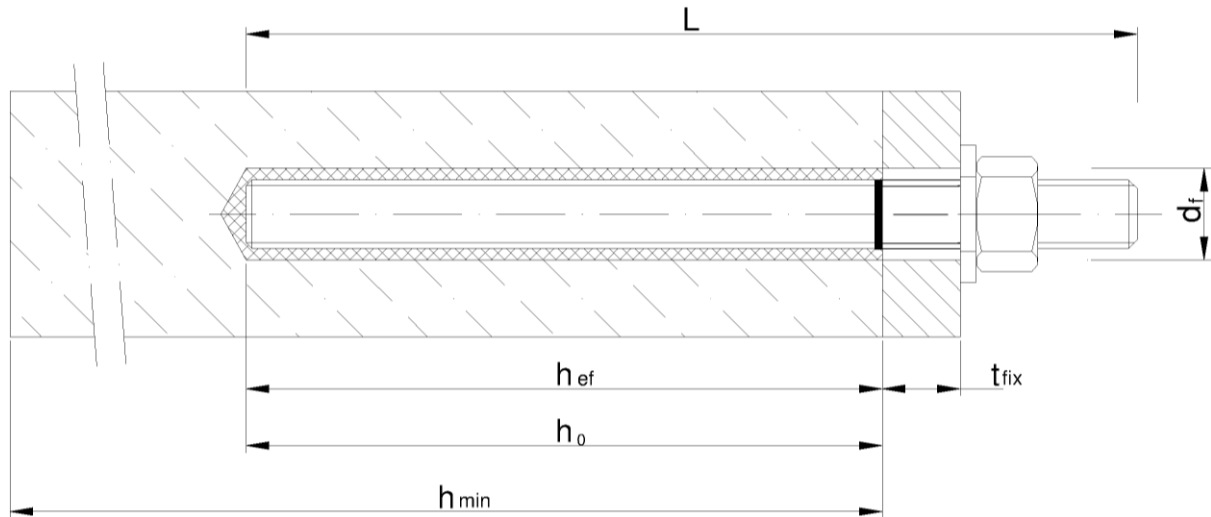
Technical details necessary for the implementation of the AVCP system are laid down in the control plan deposited with Deutsches Institut für Bautechnik.

Issued in Berlin on 12 November 2015 by Deutsches Institut für Bautechnik

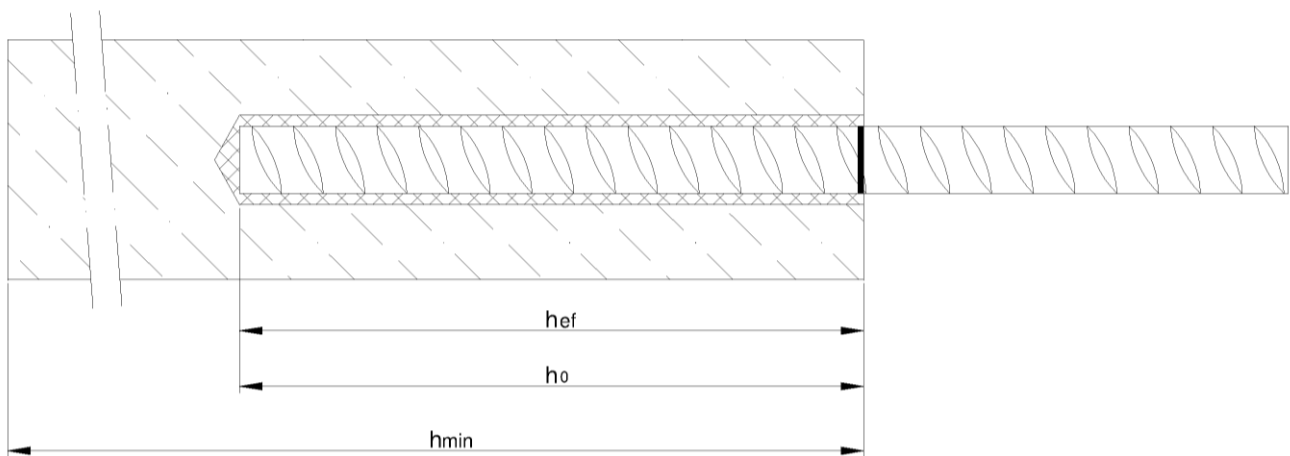
Uwe Bender
Head of Department

beglaubigt:
G. Lange

Installation threaded rod



Installation reinforcing bar



- d_f = diameter of clearance hole in the fixture
- t_{fix} = thickness of fixture
- h_{ef} = effective anchorage depth
- h_0 = depth of drill hole
- h_{min} = minimum thickness of member

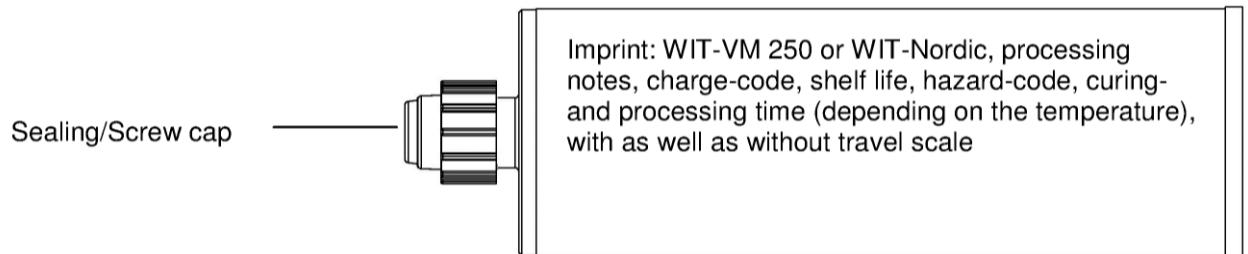
Würth Injection System WIT-VM 250 or WIT-Nordic for concrete

Product description
Installed condition

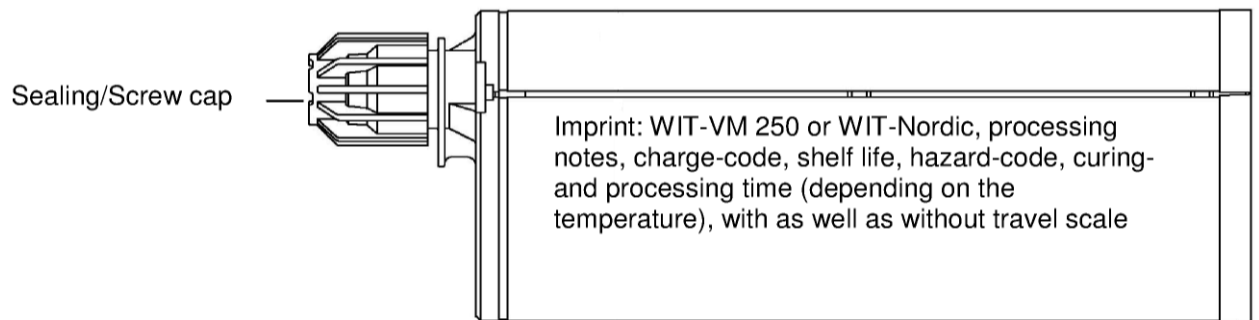
Annex A 1

Cartridge: WIT-VM 250; WIT-Nordic

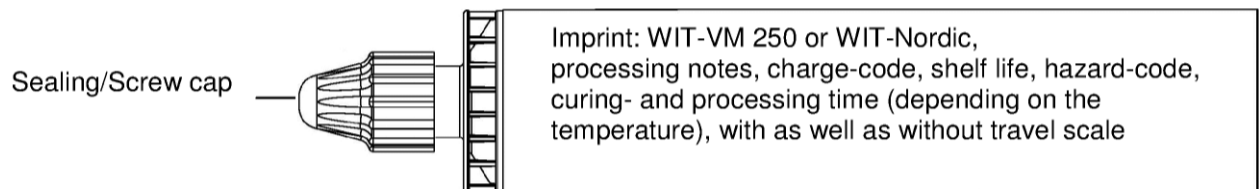
150 ml, 280 ml, 300 ml up to 333 ml and 380 ml up to 420 ml cartridge (Type: coaxial)



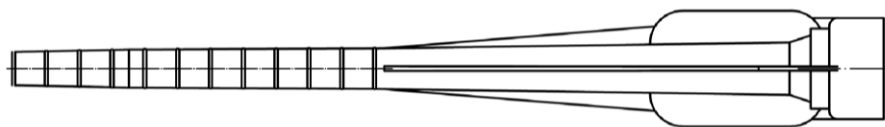
235 ml, 345 ml up to 360 ml and 825 ml cartridge (Type: "side-by-side")



165 ml and 300 ml cartridge (Type: "foil tube")



Static Mixer

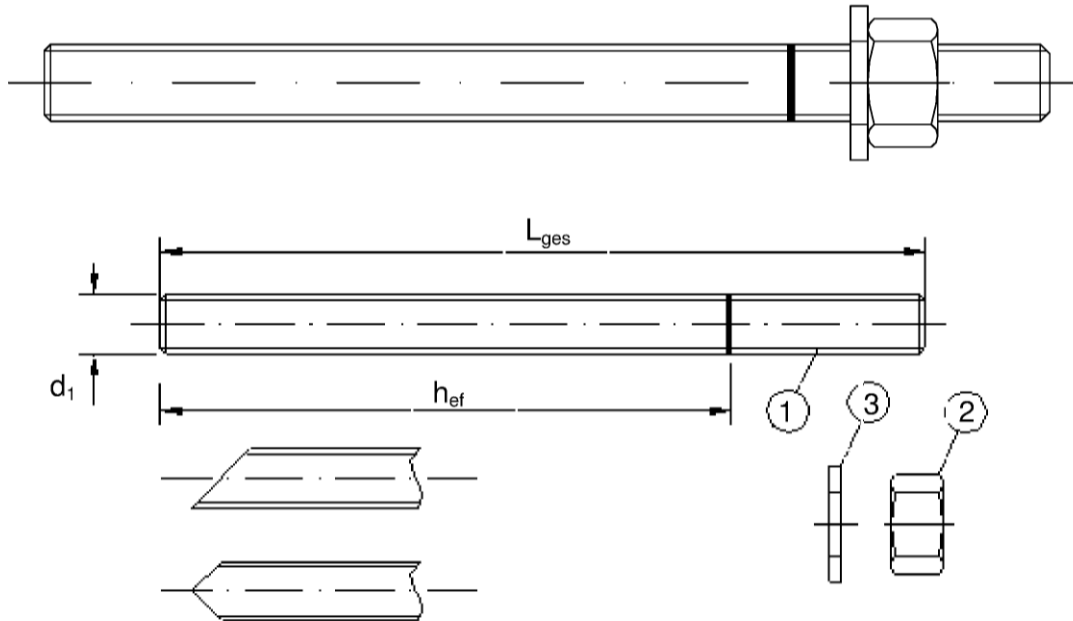


Würth Injection System WIT-VM 250 or WIT-Nordic for concrete

Product description
Injection system

Annex A 2

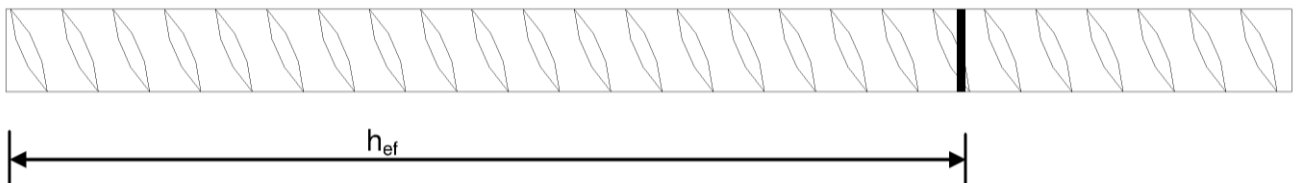
Threaded rod M8, M10, M12, M16, M20, M24, M27, M30 with washer and hexagon nut



Commercial standard threaded rod with:

- Materials, dimensions and mechanical properties acc. Table A1
- Inspection certificate 3.1 acc. to EN 10204:2004
- Marking of embedment depth

Reinforcing bar $\varnothing 8, \varnothing 10, \varnothing 12, \varnothing 14, \varnothing 16, \varnothing 20, \varnothing 25, \varnothing 28, \varnothing 32$



- Minimum value of related rip area $f_{R,min}$ according to EN 1992-1-1:2004+AC:2010
- Rib height of the bar shall be in the range $0,05d \leq h \leq 0,07d$
(d: Nominal diameter of the bar; h: Rip height of the bar)

Würth Injection System WIT-VM 250 or WIT-Nordic for concrete

Product description

Threaded rod and reinforcing bar

Annex A 3

Table A1: Materials

Part	Designation	Material
Steel, zinc plated $\geq 5 \mu\text{m}$ acc. to EN ISO 4042:1999 or Steel, hot-dip galvanised $\geq 40 \mu\text{m}$ acc. to EN ISO 1461:2009 and EN ISO 10684:2004+AC:2009		
1	Anchor rod	Steel, EN 10087:1998 or EN 10263:2001 Property class 4.6, 4.8, 5.8, 8.8, EN 1993-1-8:2005+AC:2009 $A_5 > 8\%$ fracture elongation
2	Hexagon nut, EN ISO 4032:2012	Steel acc. to EN 10087:1998 or EN 10263:2001 Property class 4 (for class 4.6 or 4.8 rod) EN ISO 898-2:2012, Property class 5 (for class 5.8 rod) EN ISO 898-2:2012, Property class 8 (for class 8.8 rod) EN ISO 898-2:2012
3	Washer, EN ISO 887:2006, EN ISO 7089:2000, EN ISO 7093:2000 or EN ISO 7094:2000	Steel, zinc plated or hot-dip galvanised
Stainless steel		
1	Anchor rod	Material 1.4401 / 1.4404 / 1.4571, EN 10088-1:2005, > M24: Property class 50 EN ISO 3506-1:2009 \leq M24: Property class 70 EN ISO 3506-1:2009 $A_5 > 8\%$ fracture elongation
2	Hexagon nut, EN ISO 4032:2012	Material 1.4401 / 1.4404 / 1.4571 EN 10088:2005, > M24: Property class 50 (for class 50 rod) EN ISO 3506-2:2009 \leq M24: Property class 70 (for class 70 rod) EN ISO 3506-2:2009
3	Washer, EN ISO 887:2006, EN ISO 7089:2000, EN ISO 7093:2000 or EN ISO 7094:2000	Material 1.4401, 1.4404 or 1.4571, EN 10088-1:2005
High corrosion resistance steel		
1	Anchor rod	Material 1.4529 / 1.4565, EN 10088-1:2005, > M24: Property class 50 EN ISO 3506-1:2009 \leq M24: Property class 70 EN ISO 3506-1:2009 $A_5 > 8\%$ fracture elongation
2	Hexagon nut, EN ISO 4032:2012	Material 1.4529 / 1.4565 EN 10088-1:2005, > M24: Property class 50 (for class 50 rod) EN ISO 3506-2:2009 \leq M24: Property class 70 (for class 70 rod) EN ISO 3506-2:2009
3	Washer, EN ISO 887:2006, EN ISO 7089:2000, EN ISO 7093:2000 or EN ISO 7094:2000	Material 1.4529 / 1.4565, EN 10088-1:2005
Reinforcing bars		
1	Rebar EN 1992-1-1:2004+AC:2010, Annex C	Bars and de-coiled rods class B or C f_{yk} and k according to NDP or NCL of EN 1992-1-1/NA:2013 $f_{tk} = f_{tk} = k \cdot f_{yk}$
Würth Injection System WIT-VM 250 or WIT-Nordic for concrete		Annex A 4
Product description Materials		

Specifications of intended use

Anchorage subject to:

- Static and quasi-static loads: M8 to M30, Rebar Ø8 to Ø32.
- Seismic action for Performance Category C1: M8 to M30, Rebar Ø8 to Ø32.

Base materials:

- Reinforced or unreinforced normal weight concrete according to EN 206-1:2000.
- Strength classes C20/25 to C50/60 according to EN 206-1:2000.
- Cracked and non-cracked concrete: M8 to M30, Rebar Ø8 to Ø32.

Temperature Range:

- I: - 40 °C to +40 °C (max long term temperature +24 °C and max short term temperature +40 °C)
- II: - 40 °C to +80 °C (max long term temperature +50 °C and max short term temperature +80 °C)
- III: - 40 °C to +120 °C (max long term temperature +72 °C and max short term temperature +120 °C)

Use conditions (Environmental conditions):

- Structures subject to dry internal conditions (zinc coated steel, stainless steel or high corrosion resistant steel).
- Structures subject to external atmospheric exposure (including industrial and marine environment) and to permanently damp internal condition, if no particular aggressive conditions exist (stainless steel or high corrosion resistant steel).
- Structures subject to external atmospheric exposure and to permanently damp internal condition, if other particular aggressive conditions exist (high corrosion resistant steel).

Note: Particular aggressive conditions are e.g. permanent, alternating immersion in seawater or the splash zone of seawater, chloride atmosphere of indoor swimming pools or atmosphere with extreme chemical pollution (e.g. in desulphurization plants or road tunnels where de-icing materials are used).

Design:

- Verifiable calculation notes and drawings are prepared taking account of the loads to be anchored. The position of the anchor is indicated on the design drawings (e. g. position of the anchor relative to reinforcement or to supports, etc.).
- Anchorages are designed under the responsibility of an engineer experienced in anchorages and concrete work.
- Anchorages under static or quasi-static actions are designed in accordance with:
 - EOTA Technical Report TR 029 "Design of bonded anchors", Edition September 2010 or
 - CEN/TS 1992-4:2009
- Anchorages under seismic actions are designed in accordance with:
 - EOTA Technical Report TR 045 "Design of Metal Anchors under Seismic Action", Edition February 2013
 - Anchorages shall be positioned outside of critical regions (e.g. plastic hinges) of the concrete structure.
 - Fastenings in stand-off installation or with a grout layer are not allowed.

Installation:

- Dry or wet concrete: M8 to M30, Rebar Ø8 to Ø32.
- Flooded holes (not sea water): M8 to M16, Rebar Ø8 to Ø16.
- Hole drilling by hammer or compressed air drill mode.
- Overhead installation allowed.
- Anchor installation carried out by appropriately qualified personnel and under the supervision of the person responsible for technical matters of the site.

Würth Injection System WIT-VM 250 or WIT-Nordic for concrete

Intended Use
Specifications

Annex B 1

Table B1: Installation parameters for threaded rod

Anchor size		M 8	M 10	M 12	M 16	M 20	M 24	M 27	M 30	
Nominal drill hole diameter	d_0 [mm] =	10	12	14	18	24	28	32	35	
Effective anchorage depth	$h_{ef,min}$ [mm] =	60	60	70	80	90	96	108	120	
	$h_{ef,max}$ [mm] =	160	200	240	320	400	480	540	600	
Diameter of clearance hole in the fixture	d_f [mm] ≤	9	12	14	18	22	26	30	33	
Diameter of steel brush	d_b [mm] ≥	12	14	16	20	26	30	34	37	
Torque moment	T_{inst} [Nm] ≤	10	20	40	80	120	160	180	200	
Thickness of fixture	$t_{fix,min}$ [mm] >	0								
	$t_{fix,max}$ [mm] <	1500								
Minimum thickness of member	h_{min} [mm]	$h_{ef} + 30$ mm ≥ 100 mm			$h_{ef} + 2d_0$					
Minimum spacing	s_{min} [mm]	40	50	60	80	100	120	135	150	
Minimum edge distance	c_{min} [mm]	40	50	60	80	100	120	135	150	

Table B2: Installation parameters for rebar

Rebar size		Ø 8	Ø 10	Ø 12	Ø 14	Ø 16	Ø 20	Ø 25	Ø 28	Ø 32
Nominal drill hole diameter	d_0 [mm] =	12	14	16	18	20	24	32	35	40
Effective anchorage depth	$h_{ef,min}$ [mm] =	60	60	70	75	80	90	100	112	128
	$h_{ef,max}$ [mm] =	160	200	240	280	320	400	480	540	640
Diameter of steel brush	d_b [mm] ≥	14	16	18	20	22	26	34	37	41,5
Minimum thickness of member	h_{min} [mm]	$h_{ef} + 30$ mm ≥ 100 mm			$h_{ef} + 2d_0$					
Minimum spacing	s_{min} [mm]	40	50	60	70	80	100	125	140	160
Minimum edge distance	c_{min} [mm]	40	50	60	70	80	100	125	140	160

Würth Injection System WIT-VM 250 or WIT-Nordic for concrete

Intended Use
Installation parameters

Annex B 2

Steel brush

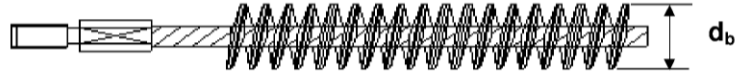


Table B3: Parameter cleaning and setting tools

Threaded Rod	Rebar	d_0 Drill bit - \emptyset	d_b Brush - \emptyset	$d_{b,min}$ min. Brush - \emptyset	Piston plug
(mm)	(mm)	(mm)	(mm)	(mm)	(No.)
M8		10	12	10,5	No piston plug required
M10	8	12	14	12,5	
M12	10	14	16	14,5	
	12	16	18	16,5	
M16	14	18	20	18,5	
	16	20	22	20,5	
M20	20	24	26	24,5	# 24
M24		28	30	28,5	# 28
M27	25	32	34	32,5	# 32
M30	28	35	37	35,5	# 35
	32	40	41,5	40,5	# 38



Hand pump (volume 750 ml)

Either drill bit diameter (d_0) 10 mm to 20 mm or
Embedment depth up to 240mm in uncracked
concrete



Recommended compressed air tool (min 6 bar)

All applications



Piston plug for overhead or horizontal installation

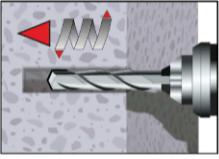
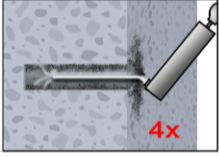
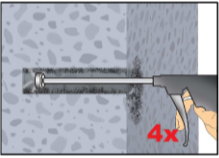
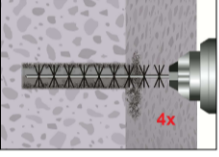
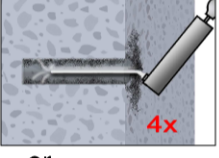
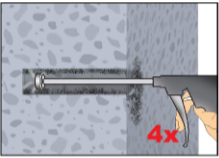
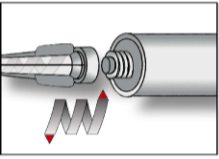
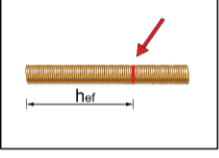
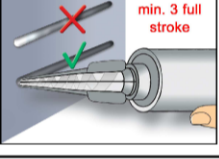
Drill bit diameter (d_0): 24 mm to 40 mm

Würth Injection System WIT-VM 250 or WIT-Nordic for concrete

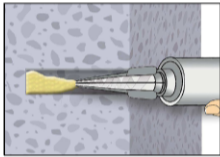
Intended Use

Cleaning and setting tools

Annex B 3

Installation instructions	
	<p>1. Drill with hammer drill a hole into the base material to the size and embedment depth required by the selected anchor (Table B1 or Table B2). In case of aborted drill hole: the drill hole shall be filled with mortar</p>
 <p>or</p>    <p>or</p> 	<p>Attention! Standing water in the bore hole must be removed before cleaning.</p> <p>2a. Starting from the bottom or back of the bore hole, blow the hole clean with compressed air (min. 6 bar) or a hand pump (Annex B 3) a minimum of four times. If the bore hole ground is not reached an extension shall be used.</p> <p>The hand-pump¹⁾ can only be used for anchor sizes in uncracked concrete, either up to bore hole diameter 20mm or embedment depth up to 240mm.</p> <p>Compressed air (min. 6 bar) can be used for all sizes in cracked and uncracked concrete.</p> <p>2b. Check brush diameter (Table B3) and attach the brush to a drilling machine or a battery screwdriver. Brush the hole with an appropriate sized wire brush > $d_{b,min}$ (Table B3) a minimum of four times. If the bore hole ground is not reached with the brush, a brush extension shall be used (Table B3).</p> <p>2c. Finally blow the hole clean again with compressed air (min. 6 bar) or a hand pump (Annex B 3) a minimum of four times. If the bore hole ground is not reached an extension shall be used. The hand-pump¹⁾ can only be used for anchor sizes in uncracked concrete, either up to bore hole diameter 20mm or embedment depth up to 240mm. Compressed air (min. 6 bar) can be used for all sizes in cracked and uncracked concrete.</p> <p>After cleaning, the bore hole has to be protected against re-contamination in an appropriate way, until dispensing the mortar in the bore hole. If necessary, the cleaning repeated has to be directly before dispensing the mortar. In-flowing water must not contaminate the bore hole again.</p> <p>¹⁾ It is permitted to blow bore holes with diameter between 14 mm and 20 mm and an embedment depth up to 240 mm also in cracked concrete with hand-pump.</p>
  	<p>3. Attach a supplied static-mixing nozzle to the cartridge and load the cartridge into the correct dispensing tool. Cut off the foil tube clip before use. For every working interruption longer than the recommended working time (Table B4 or B5) as well as for new cartridges, a new static-mixer shall be used.</p> <p>4. Prior to inserting the anchor rod into the filled bore hole, the position of the embedment depth shall be marked on the anchor rods.</p> <p>5. Prior to dispensing into the anchor hole, squeeze out separately a minimum of three full strokes and discard non-uniformly mixed adhesive components until the mortar shows a consistent grey colour. For foil tube cartridges is must be discarded a minimum of six full strokes.</p>
<p>Würth Injection System WIT-VM 250 or WIT-Nordic for concrete</p>	
<p>Intended Use Installation instructions</p>	<p>Annex B 4</p>

Installation instructions (continuation)

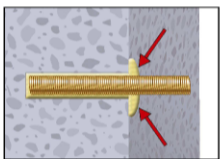


6. Starting from the bottom or back of the cleaned anchor hole fill the hole up to approximately two-thirds with adhesive. Slowly withdraw the static mixing nozzle as the hole fills to avoid creating air pockets. For embedment larger than 190 mm an extension nozzle shall be used. For overhead and horizontal installation a piston plug (Annex B 3) and extension nozzle shall be used. Observe the gel-/ working times given in Table B4 or B5.

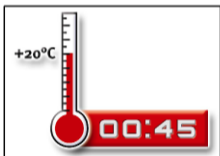


7. Push the threaded rod or reinforcing bar into the anchor hole while turning slightly to ensure positive distribution of the adhesive until the embedment depth is reached.

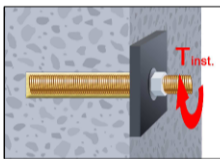
The anchor should be free of dirt, grease, oil or other foreign material.



8. Be sure that the anchor is fully seated at the bottom of the hole and that excess mortar is visible at the top of the hole. If these requirements are not maintained, the application has to be renewed. For overhead application the anchor rod should be fixed (e.g. wedges).



9. Allow the adhesive to cure to the specified time prior to applying any load or torque. Do not move or load the anchor until it is fully cured (attend Table B4 or B5).



10. After full curing, the add-on part can be installed with the max. torque (Table B2) by using a calibrated torque wrench.

Würth Injection System WIT-VM 250 or WIT-Nordic for concrete

Intended Use
Installation instructions (continuation)

Annex B 5

**Table B4: Maximum Working time and minimum curing time
WIT-VM 250**

Concrete temperature	Gelling- / working time	Minimum curing time in dry concrete ¹⁾
-10 °C to -6°C	90 min ²⁾	24 h ²⁾
-5 °C to -1°C	90 min	14 h
0 °C to +4°C	45 min	7 h
+5 °C to +9°C	25 min	2 h
+ 10 °C to +19°C	15 min	80 min
+ 20 °C to +29°C	6 min	45 min
+ 30 °C to +34°C	4 min	25 min
+ 35 °C to +39°C	2 min	20 min
> + 40 °C	1,5 min	15 min
Cartridge temperature	+5°C to +40°C	

¹⁾ In wet concrete the curing time must be doubled.

²⁾ Cartridge temperature must be at min. +15°C.

**Table B5: Maximum Working time and minimum curing time
WIT-Nordic**

Concrete temperature	Gelling- / working time	Minimum curing time in dry concrete ¹⁾
-20 °C to -16°C	75 min	24 h
-15 °C to -11°C	55 min	16 h
-10 °C to -6°C	35 min	10 h
-5 °C to -1°C	20 min	5 h
0 °C to +4°C	10 min	2,5 h
+5 °C to +9°C	6 min	80 Min
+ 10 °C	6 min	60 Min
Cartridge temperature	-20°C to +10°C	

¹⁾ In wet concrete the curing time must be doubled.

Würth Injection System WIT-VM 250 or WIT-Nordic for concrete

Intended Use
Curing time

Annex B 6

Table C1: Characteristic values of resistance for threaded rods under tension loads											
Anchor size threaded rod				M 8	M 10	M 12	M 16	M 20	M 24	M 27	M 30
Steel failure											
Characteristic tension resistance		$N_{Rk,s} = N_{Rk,s,seis}$	[kN]	$A_s \cdot f_{uk}$							
Combined pull-out and concrete failure											
Characteristic bond resistance in non-cracked concrete C20/25											
Temperature range I: 40°C/24°C	dry and wet concrete	$\tau_{Rk,ucr}$	[N/mm ²]	10	12	12	12	12	11	10	9
	flooded bore hole	$\tau_{Rk,ucr}$	[N/mm ²]	7,5	8,5	8,5	8,5	not admissible			
Temperature range II: 80°C/50°C	dry and wet concrete	$\tau_{Rk,ucr}$	[N/mm ²]	7,5	9	9	9	9	8,5	7,5	6,5
	flooded bore hole	$\tau_{Rk,ucr}$	[N/mm ²]	5,5	6,5	6,5	6,5	not admissible			
Temperature range III: 120°C/72°C	dry and wet concrete	$\tau_{Rk,ucr}$	[N/mm ²]	5,5	6,5	6,5	6,5	6,5	6,5	5,5	5,0
	flooded bore hole	$\tau_{Rk,ucr}$	[N/mm ²]	4,0	5,0	5,0	5,0	not admissible			
Characteristic bond resistance in cracked concrete C20/25											
Temperature range I: 40°C/24°C	dry and wet concrete	$\tau_{Rk,cr}$	[N/mm ²]	4,0	5,0	5,5	5,5	5,5	5,5	6,5	6,5
		$\tau_{Rk,seis}$	[N/mm ²]	2,5	3,1	3,7	3,7	3,7	3,8	4,5	4,5
	flooded bore hole	$\tau_{Rk,cr}$	[N/mm ²]	4,0	4,0	5,5	5,5	not admissible			
		$\tau_{Rk,seis}$	[N/mm ²]	2,5	2,5	3,7	3,7	not admissible			
Temperature range II: 80°C/50°C	dry and wet concrete	$\tau_{Rk,cr}$	[N/mm ²]	2,5	3,5	4,0	4,0	4,0	4,0	4,5	4,5
		$\tau_{Rk,seis}$	[N/mm ²]	1,6	2,2	2,7	2,7	2,7	2,8	3,1	3,1
	flooded bore hole	$\tau_{Rk,cr}$	[N/mm ²]	2,5	3,0	4,0	4,0	not admissible			
		$\tau_{Rk,seis}$	[N/mm ²]	1,6	1,9	2,7	2,7	not admissible			
Temperature range III: 120°C/72°C	dry and wet concrete	$\tau_{Rk,cr}$	[N/mm ²]	2,0	2,5	3,0	3,0	3,0	3,0	3,5	3,5
		$\tau_{Rk,seis}$	[N/mm ²]	1,3	1,6	2,0	2,0	2,0	2,1	2,4	2,4
	flooded bore hole	$\tau_{Rk,cr}$	[N/mm ²]	2,0	2,5	3,0	3,0	not admissible			
		$\tau_{Rk,seis}$	[N/mm ²]	1,3	1,6	2,0	2,0	not admissible			
Increasing factors for concrete (only static or quasi-static actions) ψ_c		C25/30		1,02							
		C30/37		1,04							
		C35/45		1,07							
		C40/50		1,08							
		C45/55		1,09							
		C50/60		1,10							
Factor according to CEN/TS 1992-4-5 Section 6.2.2.3	Non-cracked concrete	k_8	[-]	10,1							
	Cracked concrete			7,2							
Concrete cone failure											
Factor according to CEN/TS 1992-4-5 Section 6.2.3.1	Non-cracked concrete	k_{ucr}	[-]	10,1							
	Cracked concrete	k_{cr}	[-]	7,2							
Edge distance		$c_{cr,N}$	[mm]	1,5 h_{ef}							
Axial distance		$s_{cr,N}$	[mm]	3,0 h_{ef}							
Splitting failure											
Edge distance		$c_{cr,sp}$	[mm]	$1,0 \cdot h_{ef} \leq 2 \cdot h_{ef} \left(2,5 - \frac{h}{h_{ef}} \right) \leq 2,4 \cdot h_{ef}$							
Axial distance		$s_{cr,sp}$	[mm]	2 $c_{cr,sp}$							
Installation safety factor (dry and wet concrete)				$\gamma_2 = \gamma_{inst}$	1,0	1,2					
Installation safety factor (flooded bore hole)				$\gamma_2 = \gamma_{inst}$	1,4				not admissible		
Würth Injection System WIT-VM 250 or WIT-Nordic for concrete										Annex C 1	
Performances Characteristic values of resistance for threaded rods under tension loads											

Table C2: Characteristic values of resistance for threaded rods under shear

Anchor size threaded rod		M 8	M 10	M 12	M 16	M 20	M 24	M 27	M 30	
Steel failure without lever arm										
Characteristic shear resistance	$V_{Rk,s}$	[kN]	$0,50 \cdot A_s \cdot f_{uk}$							
	$V_{Rk,s,seis}$	[kN]	$0,35 \cdot A_s \cdot f_{uk}$							
Ductility factor according to CEN/TS 1992-4-5 Section 6.3.2.1	k_2		0,8							
Steel failure with lever arm										
Characteristic bending moment	$M^0_{Rk,s}$	[Nm]	$1,2 \cdot W_{el} \cdot f_{uk}$							
	$M^0_{Rk,s,seis}$	[Nm]	No Performance Determined (NPD)							
Concrete pry-out failure										
Factor k_3 in equation (27) of CEN/TS 1992-4-5 Section 6.3.3 Factor k_3 in equation (5.7) of Technical Report TR 029	$k_{(3)}$		2,0							
Installation safety factor	$\gamma_2 = \gamma_{inst}$		1,0							
Concrete edge failure										
Effective length of anchor	l_f	[mm]	$l_f = \min(h_{ef}; 8 d_{nom})$							
Outside diameter of anchor	d_{nom}	[mm]	8	10	12	16	20	24	27	30
Installation safety factor	$\gamma_2 = \gamma_{inst}$		1,0							
Würth Injection System WIT-VM 250 or WIT-Nordic for concrete								Annex C 2		
Performances Characteristic values of resistance for threaded rods under shear loads										

Table C3: Characteristic values of resistance for rebar under tension loads

Anchor size reinforcing bar				Ø 8	Ø 10	Ø 12	Ø 14	Ø 16	Ø 20	Ø 25	Ø 28	Ø 32
Steel failure												
Characteristic tension resistance		$N_{Rk,s} = N_{Rk,s,seis}$	[kN]	$A_s \cdot f_{uk}$								
Combined pull-out and concrete failure												
Characteristic bond resistance in non-cracked concrete C20/25												
Temperature range I: 40°C/24°C	dry and wet concrete	$\tau_{Rk,ucr}$	[N/mm ²]	10	12	12	12	12	12	11	10	8,5
	flooded bore hole	$\tau_{Rk,ucr}$	[N/mm ²]	7,5	8,5	8,5	8,5	8,5	not admissible			
Temperature range II: 80°C/50°C	dry and wet concrete	$\tau_{Rk,ucr}$	[N/mm ²]	7,5	9	9	9	9	9	8,0	7,0	6,0
	flooded bore hole	$\tau_{Rk,ucr}$	[N/mm ²]	5,5	6,5	6,5	6,5	6,5	not admissible			
Temperature range III: 120°C/72°C	dry and wet concrete	$\tau_{Rk,ucr}$	[N/mm ²]	5,5	6,5	6,5	6,5	6,5	6,5	6,0	5,0	4,5
	flooded bore hole	$\tau_{Rk,ucr}$	[N/mm ²]	4,0	5,0	5,0	5,0	5,0	not admissible			
Characteristic bond resistance in cracked concrete C20/25												
Temperature range I: 40°C/24°C	dry and wet concrete	$\tau_{Rk,cr}$	[N/mm ²]	4,0	5,0	5,5	5,5	5,5	5,5	5,5	6,5	6,5
		$\tau_{Rk,seis}$	[N/mm ²]	2,5	3,1	3,7	3,7	3,7	3,7	3,8	4,5	4,5
	flooded bore hole	$\tau_{Rk,cr}$	[N/mm ²]	4,0	4,0	5,5	5,5	5,5	not admissible			
		$\tau_{Rk,seis}$	[N/mm ²]	2,5	2,5	3,7	3,7	3,7	not admissible			
Temperature range II: 80°C/50°C	dry and wet concrete	$\tau_{Rk,cr}$	[N/mm ²]	2,5	3,5	4,0	4,0	4,0	4,0	4,0	4,5	4,5
		$\tau_{Rk,seis}$	[N/mm ²]	1,6	2,2	2,7	2,7	2,7	2,7	2,8	3,1	3,1
	flooded bore hole	$\tau_{Rk,cr}$	[N/mm ²]	2,5	3,0	4,0	4,0	4,0	not admissible			
		$\tau_{Rk,seis}$	[N/mm ²]	1,6	1,9	2,7	2,7	2,7	not admissible			
Temperature range III: 120°C/72°C	dry and wet concrete	$\tau_{Rk,cr}$	[N/mm ²]	2,0	2,5	3,0	3,0	3,0	3,0	3,0	3,5	3,5
		$\tau_{Rk,seis}$	[N/mm ²]	1,3	1,6	2,0	2,0	2,0	2,0	2,1	2,4	2,4
	flooded bore hole	$\tau_{Rk,cr}$	[N/mm ²]	2,0	2,5	3,0	3,0	3,0	not admissible			
		$\tau_{Rk,seis}$	[N/mm ²]	1,3	1,6	2,0	2,0	2,0	not admissible			
Increasing factors for concrete (only static or quasi-static actions) ψ_c		C25/30		1,02								
		C30/37		1,04								
		C35/45		1,07								
		C40/50		1,08								
		C45/55		1,09								
		C50/60		1,10								
Factor according to CEN/TS 1992-4-5 Section 6.2.2.3	Non-cracked concrete	k_8	[-]	10,1								
	Cracked concrete			7,2								
Concrete cone failure												
Factor according to CEN/TS 1992-4-5 Section 6.2.3.1	Non-cracked concrete	k_{ucr}	[-]	10,1								
	Cracked concrete	k_{cr}	[-]	7,2								
Edge distance		$c_{cr,N}$	[mm]	1,5 h_{ef}								
Axial distance		$s_{cr,N}$	[mm]	3,0 h_{ef}								
Splitting failure												
Edge distance		$c_{cr,sp}$	[mm]	$1,0 \cdot h_{ef} \leq 2 \cdot h_{ef} \left(2,5 - \frac{h}{h_{ef}} \right) \leq 2,4 \cdot h_{ef}$								
Axial distance		$s_{cr,sp}$	[mm]	$2 c_{cr,sp}$								
Installation safety factor (dry and wet concrete)		$\gamma_2 = \gamma_{inst}$		1,0	1,2							
Installation safety factor (flooded bore hole)		$\gamma_2 = \gamma_{inst}$		1,4					not admissible			
Würth Injection System WIT-VM 250 or WIT-Nordic for concrete											Annex C 3	
Performances Characteristic values of resistance for rebar under tension loads												

Table C4: Characteristic values of resistance for rebar under shear loads											
Anchor size reinforcing bar	Ø 8	Ø 10	Ø 12	Ø 14	Ø 16	Ø 20	Ø 25	Ø 28	Ø 32		
Steel failure without lever arm											
Characteristic shear resistance	$V_{Rk,s}$	[kN]	$0,50 \cdot A_s \cdot f_{uk}$								
	$V_{Rk,s,seis}^0$	[kN]	$0,35 \cdot A_s \cdot f_{uk}$								
Ductility factor according to CEN/TS 1992-4-5 Section 6.3.2.1	k_2		0,8								
Steel failure with lever arm											
Characteristic bending moment	$M_{Rk,s}^0$	[Nm]	$1,2 \cdot W_{el} \cdot f_{uk}$								
	$M_{Rk,s,seis}^0$	[Nm]	No Performance Determined (NPD)								
Concrete pry-out failure											
Factor k_3 in equation (27) of CEN/TS 1992-4-5 Section 6.3.3 Factor k in equation (5.7) of Technical Report TR 029	$k_{(3)}$		2,0								
Installation safety factor	$\gamma_2 = \gamma_{inst}$		1,0								
Concrete edge failure											
Effective length of anchor	l_f	[mm]	$l_f = \min(h_{ef}; 8 d_{nom})$								
Outside diameter of anchor	d_{nom}	[mm]	8	10	12	14	16	20	25	28	32
Installation safety factor	$\gamma_2 = \gamma_{inst}$		1,0								
Würth Injection System WIT-VM 250 or WIT-Nordic for concrete										Annex C 4	
Performances Characteristic values of resistance for rebar under shear loads											

Table C5: Displacements under tension load¹⁾ (threaded rod)

Anchor size threaded rod			M 8	M 10	M 12	M 16	M 20	M24	M 27	M 30
Non-cracked concrete C20/25										
Temperature range I: 40°C/24°C	δ_{N0} -factor	[mm/(N/mm ²)]	0,021	0,023	0,026	0,031	0,036	0,041	0,045	0,049
	$\delta_{N\infty}$ -factor	[mm/(N/mm ²)]	0,030	0,033	0,037	0,045	0,052	0,060	0,065	0,071
Temperature range II: 80°C/50°C	δ_{N0} -factor	[mm/(N/mm ²)]	0,050	0,056	0,063	0,075	0,088	0,100	0,110	0,119
	$\delta_{N\infty}$ -factor	[mm/(N/mm ²)]	0,072	0,081	0,090	0,108	0,127	0,145	0,159	0,172
Temperature range III: 120°C/72°C	δ_{N0} -factor	[mm/(N/mm ²)]	0,050	0,056	0,063	0,075	0,088	0,100	0,110	0,119
	$\delta_{N\infty}$ -factor	[mm/(N/mm ²)]	0,072	0,081	0,090	0,108	0,127	0,145	0,159	0,172
Cracked concrete C20/25										
Temperature range I: 40°C/24°C	δ_{N0} -factor	[mm/(N/mm ²)]	0,090			0,070				
	$\delta_{N\infty}$ -factor	[mm/(N/mm ²)]	0,105			0,105				
Temperature range II: 80°C/50°C	δ_{N0} -factor	[mm/(N/mm ²)]	0,219			0,170				
	$\delta_{N\infty}$ -factor	[mm/(N/mm ²)]	0,255			0,245				
Temperature range III: 120°C/72°C	δ_{N0} -factor	[mm/(N/mm ²)]	0,219			0,170				
	$\delta_{N\infty}$ -factor	[mm/(N/mm ²)]	0,255			0,245				

¹⁾ Calculation of the displacement

$$\delta_{N0} = \delta_{N0}\text{-factor} \cdot \tau; \quad \tau: \text{action bond stress for tension}$$

$$\delta_{N\infty} = \delta_{N\infty}\text{-factor} \cdot \tau;$$

Table C6: Displacements under shear load¹⁾ (threaded rod)

Anchor size threaded rod			M 8	M 10	M 12	M 16	M 20	M24	M 27	M 30
For non-cracked concrete C20/25										
All temperature ranges	δ_{V0} -factor	[mm/(kN)]	0,06	0,06	0,05	0,04	0,04	0,03	0,03	0,03
	$\delta_{V\infty}$ -factor	[mm/(kN)]	0,09	0,08	0,08	0,06	0,06	0,05	0,05	0,05
For cracked concrete C20/25										
All temperature ranges	δ_{V0} -factor	[mm/(kN)]	0,12	0,12	0,11	0,10	0,09	0,08	0,08	0,07
	$\delta_{V\infty}$ -factor	[mm/(kN)]	0,18	0,18	0,17	0,15	0,14	0,13	0,12	0,10

¹⁾ Calculation of the displacement

$$\delta_{V0} = \delta_{V0}\text{-factor} \cdot V; \quad V: \text{action shear load}$$

$$\delta_{V\infty} = \delta_{V\infty}\text{-factor} \cdot V;$$

Würth Injection System WIT-VM 250 or WIT-Nordic for concrete

Performances
Displacements (threaded rods)

Annex C 5

Table C7: Displacements under tension load¹⁾ (rebar)											
Anchor size reinforcing bar		Ø 8	Ø 10	Ø 12	Ø 14	Ø 16	Ø 20	Ø 25	Ø 28	Ø 32	
Non-cracked concrete C20/25											
Temperature range I: 40°C/24°C	δ _{N0} -factor	[mm/(N/mm ²)]	0,021	0,023	0,026	0,028	0,031	0,036	0,043	0,047	0,052
	δ _{N∞} -factor	[mm/(N/mm ²)]	0,030	0,033	0,037	0,041	0,045	0,052	0,061	0,071	0,075
Temperature range II: 80°C/50°C	δ _{N0} -factor	[mm/(N/mm ²)]	0,050	0,056	0,063	0,069	0,075	0,088	0,104	0,113	0,126
	δ _{N∞} -factor	[mm/(N/mm ²)]	0,072	0,081	0,090	0,099	0,108	0,127	0,149	0,163	0,181
Temperature range III: 120°C/72°C	δ _{N0} -factor	[mm/(N/mm ²)]	0,050	0,056	0,063	0,069	0,075	0,088	0,104	0,113	0,126
	δ _{N∞} -factor	[mm/(N/mm ²)]	0,072	0,081	0,090	0,099	0,108	0,127	0,149	0,163	0,181
Cracked concrete C20/25											
Temperature range I: 40°C/24°C	δ _{N0} -factor	[mm/(N/mm ²)]	0,090				0,070				
	δ _{N∞} -factor	[mm/(N/mm ²)]	0,105				0,105				
Temperature range II: 80°C/50°C	δ _{N0} -factor	[mm/(N/mm ²)]	0,219				0,170				
	δ _{N∞} -factor	[mm/(N/mm ²)]	0,255				0,245				
Temperature range III: 120°C/72°C	δ _{N0} -factor	[mm/(N/mm ²)]	0,219				0,170				
	δ _{N∞} -factor	[mm/(N/mm ²)]	0,255				0,245				
¹⁾ Calculation of the displacement δ _{N0} = δ _{N0} -factor · τ; τ: action bond stress for tension δ _{N∞} = δ _{N∞} -factor · τ;											
Table C8: Displacement under shear load¹⁾ (rebar)											
Anchor size reinforcing bar		Ø 8	Ø 10	Ø 12	Ø 14	Ø 16	Ø 20	Ø 25	Ø 28	Ø 32	
Non-cracked concrete C20/25											
All temperature ranges	δ _{V0} -factor	[mm/(kN)]	0,06	0,05	0,05	0,04	0,04	0,04	0,03	0,03	0,03
	δ _{V∞} -factor	[mm/(kN)]	0,09	0,08	0,08	0,06	0,06	0,05	0,05	0,04	0,04
Cracked concrete C20/25											
All temperature ranges	δ _{V0} -factor	[mm/(kN)]	0,12	0,12	0,11	0,11	0,10	0,09	0,08	0,07	0,06
	δ _{V∞} -factor	[mm/(kN)]	0,18	0,18	0,17	0,16	0,15	0,14	0,12	0,11	0,10
¹⁾ Calculation of the displacement δ _{V0} = δ _{V0} -factor · V; V: action shear load δ _{V∞} = δ _{V∞} -factor · V;											
Würth Injection System WIT-VM 250 or WIT-Nordic for concrete									Annex C 6		
Performances Displacements (rebar)											

ДЕКЛАРАЦИЯ ЗА ЕКСПЛОАТАЦИОННИ ПОКАЗАТЕЛИ

№ 0903450200_02_M_WIT-VM 250(1)

**Настоящият текст е превод от немски на български.
В случай на съмнение важи оригиналът на немски**

- | | |
|--|---|
| 1. Уникален идентификационен код на типа на продукта: | Würth Injektionssystem WIT-VM 250 und WIT-Nordic (Würth инжекционна система WIT-VM 250 и WIT-Nordic)
Арт. №: 0903 450 2*; 0903 450 102; 090546*; 090547*; 59151*; 59152*; 59153*; 59160*; 5916108999; 5916110999; 5916112999; 5916116999; 5916208999; 5916210999; 5916212999; 5916216999; 5916408110; 5916410130; 5916412160; 5916416190 |
| 2. Предвидена употреба/употреби: | Verbunddübel zur Verankerung im Beton (Свързващ дюбел за закотвяне в бетон) |
| 3. Производител: | Adolf Würth GmbH & Co. KG,
Reinhold-Würth-Straße 12 - 17
D - 74653 Künzelsau |
| 4. Система (и) за оценка и проверка на постоянството на експлоатационните показатели: | Система 1 |
| 5. Европейски документ за оценяване:
Европейска техническа оценка:
Орган за техническа оценка:
Нотифициран(и) орган(и): | ETAG 001 Част 5, април 2013
ETA-12/0164 - 12.11.2015 г.
Deutsches Institut für Bautechnik (DIBt), Berlin
2873, Institut für Stahlbau und Werkstoffmechanik (IFSW), Darmstadt |
| 6. Деклариран(и) експлоатационен(и) показател(и): | |


Основни характеристики	Експлоатационни показатели	Хармонизирана техническа спецификация
Механична якост и устойчивост (BWR 1)		ETA-12/0164 ETAG 001, част 5
Характерни стойности при натоварване под опън и при напречно натоварване	Вижте приложение С 1 до С 4	
Изместване под опън и напречно натоварване	Вижте приложение С 5 / С 6	
Противопожарна защита (BWR 2)		
Реакция на огън	Дюбелът изпълнява изискванията на клас А1	
Огнеустойчивост	Няма определен експлоатационен показател	

Експлоатационните показатели на продукта, посочен по-горе, са в съответствие с декларираните експлоатационни показатели. Отговорност за издаването на декларацията за експлоатационни показатели носи изцяло производителят в съответствие с Регламент на (ЕС) № 305/2011.

Подписана за производителя и от името на производителя от:



Франк Волперт
Прокурисл мениджър Продуктов
мениджмънт



Др. инж. Зигфрид Байхтер
(Прокурисл мениджър Качество)

Кюнцелзау, 01.1.2021 г.

PROHLÁŠENÍ O VLASTNOSTECH

Č. 0903450200_02_M_WIT-VM 250(1)

**Jedná se o verzi přeloženou z němčiny.
V případě pochybností platí německý originál**

1. **Jednoznačný identifikační kód typu výrobku:** Injekční systém Würth WIT-VM 250 a WIT-Nordic
Č. vyr.: 0903 450 2*; 0903 450 102; 090546*; 090547*; 59151*; 59152*; 59153*; 59160*; 5916108999; 5916110999; 5916112999; 5916116999; 5916208999; 5916210999; 5916212999; 5916216999; 5916408110; 5916410130; 5916412160; 5916416190
2. **Zamýšlené/zamýšlená použití:** Spojovací hmoždinka pro ukotvení do betonu
3. **Výrobce:** Adolf Würth GmbH & Co. KG,
Reinhold-Würth-Straße 12 - 17
D - 74653 Künzelsau
4. **Systém(y) pro hodnocení a kontrolu stálosti vlastností:** Systém 1
5. **Evropský dokument pro posuzování:
Evropské technické schválení:
Pracoviště pro technické posuzování:** ETAG 001 část 5, duben 2013
ETA-12/0164 - 12. 11. 2015
Deutsches Institut für Bautechnik, Berlin (DIBt, Německý institut pro stavební techniku v Berlíně)
Oznámený subjekt/oznámené subjekty: 2873, Institut für Stahlbau und Werkstoffmechanik (IFSW), Darmstadt
6. **Deklarovaná vlastnost/deklarované vlastnosti:**

Podstatné charakteristické vlastnosti	Vlastnost	Harmonizovaná technická specifikace
Mechanická pevnost a stálost (BWR 1)		ETA-12/0164 ETAG 001 část 5
Charakteristické hodnoty při namáhání tahem a příčném namáhání	Viz přílohu C1 až C4	
Posuny při namáhání tahem a příčném namáhání	Viz přílohu C5 / C6	
Požární ochrana (BWR 2)		
Reakce na oheň	Hmoždinka splňuje požadavky třídy A1	
Požární odolnost	Vlastnosti neurčeny	

Vlastnosti výše uvedeného výrobku jsou ve shodě se souborem deklarovaných vlastností. Za vyhotovení prohlášení o vlastnostech v souladu s nařízením (EU) č. 305/2011 je odpovědný výhradně výše uvedený výrobce.

Podepsal za výrobce a jeho jménem:



Frank Wolpert
(zmocněnec - ředitel produktového managementu)



Dr.-Ing. Siegfried Beichter
(zmocněnec - ředitel oddělení jakosti)

Künzelsau, 01. 01. 2021

YDEEVNEDEKLARATION

Nr. 0903450200_02_M_WIT-VM 250(1)

Denne version er oversat fra tysk.
I tvivlstilfælde gælder den tyske original

1. **Produkttypens entydige identifikationskode:** Würth injektionssystem WIT-VM 250 og WIT-Nordic
Art.-nr.: 0903 450 2*; 0903 450 102; 090546*; 090547*; 59151*; 59152*; 59153*; 59160*; 5916108999; 5916110999; 5916112999; 5916116999; 5916208999; 5916210999; 5916212999; 5916216999; 5916408110; 5916410130; 5916412160; 5916416190
2. **Anvendelsesformål:** Skrue dybel til forankring i beton
3. **Producent:** Adolf Würth GmbH & Co. KG,
Reinhold-Würth-Straße 12 - 17
D - 74653 Künzelsau
4. **System(er) til bedømmelse og kontrol af ydelsesbestandigheden:** System 1
5. **Europæisk vurderingsdokument:** ETAG 001 del 5, april 2013
Europæisk teknisk bedømmelse: ETA-12/0164 - 12-11-2015
Teknisk evalueringsmyndighed: Deutsches Institut für Bautechnik (DIBt), Berlin
Notificeret myndighed/notificerede myndigheder: 2873, Institut für Stahlbau und Werkstoffmechanik (IFSW), Darmstadt
6. **Deklareret ydeevne/deklarerede ydeevner:**

Væsentlige egenskaber	Ydelse	Harmoniseret teknisk specifikation
Mekanisk modstandsdygtighed og stabilitet (BWR 1)		ETA-12/0164 ETAG 001 del 5
Karakteristiske værdier ved træk- og tværbelastning	Se bilag C 1 til C 4	
Forskydninger under træk- og tværbelastning	Se bilag C 5 / C 6	
Brandsikkerhed (BWR 2)		
Brandreaktion	Dyveln opfylder kravene til klasse A1	
Brandmodstand	Ingen ydelse bestemt	

Det ovenstående produkts ydeevne svarer til den deklarerede ydeevne/de deklarerede ydeevner. For udstedelsen af ydeevnedeklarationen i henhold til forordning (EU) nr. 305/2011 er udelukkende ovenstående producent ansvarlig.

Underskrevet for og på vegne af producenten af:



Frank Wolpert
(Prokurist - leder produktmanagement)



Dr.-ing. Siegfried Beichter
(Prokurist - leder af kvalitetsafdelingen)

Künzelsau, den 01.01.2021

LEISTUNGSERKLÄRUNG

Nr. 0903450200_02_M_WIT-VM 250(1)

1. Eindeutiger Kenncode des Produkttyps: Würth Injektionssystem WIT-VM 250 und WIT-Nordic
Art.-Nr.: 0903 450 2*; 0903 450 102; 090546*; 090547*; 59151*;
59152*; 59153*; 59160*; 5916108999; 5916110999; 5916112999;
5916116999; 5916208999; 5916210999; 5916212999; 5916216999;
5916408110; 5916410130; 5916412160; 5916416190
2. Verwendungszweck(e): Verbunddübel zur Verankerung im Beton
3. Hersteller: Adolf Würth GmbH & Co. KG,
Reinhold-Würth-Straße 12 - 17
D - 74653 Künzelsau
4. System(e) zur Bewertung und Überprüfung der Leistungsbeständigkeit: System 1
5. Europäisches Bewertungsdokument: ETAG 001 Teil 5, April 2013
Europäische Technische Bewertung: ETA-12/0164 - 12.11.2015
Technische Bewertungsstelle: Deutsches Institut für Bautechnik (DIBt), Berlin
Notifizierte Stelle(n): 2873, Institut für Stahlbau und Werkstoffmechanik (IFSW), Darmstadt
6. Erklärte Leistung(en):

Wesentliche Merkmale	Leistung	Harmonisierte technische Spezifikation
Mechanische Festigkeit und Standsicherheit (BWR 1)		ETA-12/0164 ETAG 001 Teil 5
Charakteristische Werte bei Zug- und Querbeanspruchung	Siehe Anhang C 1 bis C 4	
Verschiebungen unter Zug- und Querbeanspruchung	Siehe Anhang C 5 / C 6	
Brandschutz (BWR 2)		
Brandverhalten	Der Dübel erfüllt die Anforderungen der Klasse A1	
Feuerwiderstand	Keine Leistung bestimmt	

Die Leistung des vorstehenden Produkts entspricht der erklärten Leistung/den erklärten Leistungen. Für die Erstellung der Leistungserklärung im Einklang mit der Verordnung (EU) Nr. 305/2011 ist allein der obengenannte Hersteller verantwortlich.

Unterzeichnet für den Hersteller und im Namen des Herstellers von:



Frank Wolpert
(Prokurist - Leiter Produktmanagement)



Dr. -Ing. Siegfried Beichter
(Prokurist - Leiter Qualität)

Künzelsau, den 01.01.2021

DECLARACIÓN DE PRESTACIONES

N.º 0903450200_02_M_WIT-VM 250(1)

**Esta versión está traducida del alemán.
En caso de duda es aplicable el original alemán**

1. Código de identificación única del producto tipo: Würth Injektionssystem WIT-VM 250 y WIT-Nordic (sistema de inyección Würth)
N.º de art.: 0903 450 2*; 0903 450 102; 090546*; 090547*; 59151*; 59152*; 59153*; 59160*; 5916108999; 5916110999; 5916112999; 5916116999; 5916208999; 5916210999; 5916212999; 5916216999; 5916408110; 5916410130; 5916412160; 5916416190
2. Uso(s) previsto(s): Taco químico para anclaje en hormigón
3. Fabricante: Adolf Würth GmbH & Co. KG,
Reinhold-Würth-Straße 12 - 17
D - 74653 Künzelsau
4. Sistema(s) de evaluación y verificación de la constancia de las prestaciones: Sistema 1
5. Documento de evaluación europeo: ETAG 001 parte 5, abril de 2013
Evaluación Técnica Europea: ETA-12/0164 - del 12/11/2015
Organismo de Evaluación Técnica: Deutsches Institut für Bautechnik (DIBt), Berlín
Organismo(s) notificado(s): 2873, Institut für Stahlbau und Werkstoffmechanik (IFSW), Darmstadt
6. Prestaciones declaradas:

Características esenciales	Prestación	Especificaciones técnicas armonizadas	
Resistencia mecánica y estabilidad (BWR 1)			
Valores característicos para esfuerzos de tracción y transversales	Véanse los anexos C 1 hasta C 4	ETA-12/0164 ETAG 001 parte 5	
Desplazamientos bajo esfuerzo transversal y de tracción	Véanse los anexos C 5 / C 6		
Protección contra incendios (BWR 2)			
Reacción al fuego	El anclaje cumple los requisitos de la clase A1		
Resistencia al fuego	No se ha determinado ninguna prestación		

Las prestaciones del producto identificado anteriormente son conformes con el conjunto de prestaciones declaradas. La presente declaración de prestaciones se emite de conformidad con el Reglamento (UE) n.º 305/2011, bajo la sola responsabilidad del fabricante arriba identificado.

Firmado por y en nombre del fabricante por:



Frank Wolpert
(Apoderado - Director de Product Management)



Dr. -Ing. Siegfried Beichter
(Apoderado - Director de Calidad)

Künzelsau, el 01/01/2021

TOIMIVUSDEKLARATSIOON

Nr. 0903450200_02_M_WIT-VM 250(1)

**Tegemist on saksa keelest tõlgitud versiooniga.
Kahtluste korral kehtib saksa keelne originaaltekst**

- | | |
|---|---|
| 1. Tootetüübi kordumatu identifitseerimiskood: | Würthi ankurdussüsteem WIT-VM 250 ja WIT-Nordic
Art-nr: 0903 450 2*; 0903 450 102; 090546*; 090547*; 59151*;
59152*; 59153*; 59160*; 5916108999; 5916110999; 5916112999;
5916116999; 5916208999; 5916210999; 5916212999; 5916216999;
5916408110; 5916410130; 5916412160; 5916416190 |
| 2. Ettenähtud kasutusotstarve või -otstarbed: | Sidumisankur kinnitamiseks betooni |
| 3. Tootja: | Adolf Würth GmbH & Co. KG,
Reinhold-Würth-Straße 12 - 17
D - 74653 Künzelsau |
| 4. Toimivuse püsivuse hindamise ja kontrolli süsteem(id): | Süsteem 1 |
| 5. Euroopa hindamisdokument:
Euroopa tehniline hinnang:
Tehnilise hindamise asutus:
Teavitatud asutus(ed): | ETAG 001, 5. osa, aprill 2013
ETA-12/0164 - 12.11.2015
Deutsches Institut für Bautechnik (DIBt), Berlin
2873, Institut für Stahlbau und Werkstoffmechanik (IFSW), Darmstadt |
| 6. Deklareeritud toimevõime(ed): | |

Põhiomadused	Toimevõime	Ühtlustatud tehniline kirjeldus
Mehaaniline tugevus ja vastupidavus (BWR 1)		
Iseloomulikud näitajad tõmbekoormuse ja küljõu korral	vt lisa C 1 kuni C 4	ETA-12/0164 ETAG 001, 5. osa
Nihe tõmbekoormuse ja küljõu osas	vt lisa C 5 / C 6	
Tulekaitse (BWR 2)		
Tuletundlikkus	Tüübel täidab klassi A1 nõuded.	
Tuletakistus	Toimevõime määramata	

Eespool nimetatud toodete toimevõime vastab deklareeritud toimevõimetele / deklareeritud toimevõimetele. Vastavusdeklaratsiooni koostamise eest kooskõlas määrusega (EL) nr 305/2011 vastutab ainuisikuliselt eespool nimetatud tootja.

Tootja poolt ja nimel allkirjastanud:



Frank Wolpert
(Prokurist-tootejuht)



Dr. ins. Siegfried Beichter
(Prokurist-kvaliteedijuht)

Künzelsau, 01.01.2021

SUORITUSTASOILMOITUS

Nro 0903450200_02_M_WIT-VM 250(1)

**Tämä on käänös saksankielisestä.
Epäilyksissä pätee saksankielinen alkuperäisilmoitus.**

1. Tuotetyypin yksilöllinen tunnistus: Würth injektiojärjestelmä WIT-VM 250 ja WIT-Nordic
Tuote-nro: 0903 450 2*; 0903 450 102; 090546*; 090547*; 59151*; 59152*; 59153*; 59160*; 5916108999; 5916110999; 5916112999; 5916116999; 5916208999; 5916210999; 5916212999; 5916216999; 5916408110; 5916410130; 5916412160; 5916416190
2. Aiottu käyttötarkoitus (aiotut käyttötarkoitukset): Vaarnaruuvi betoniin ankkuroimiseksi
3. Valmistaja: Adolf Würth GmbH & Co. KG,
Reinhold-Würth-Straße 12 - 17
D - 74653 Künzelsau, Saksa
4. Suoritustason arvioinnin ja tarkistamisen järjestelmä(t): Järjestelmä 1
5. Eurooppalainen arviointidokumentti: ETAG 001 Teil 5, April 2013 (ETAG 001 osa 5, huhtikuu 2013)
Eurooppalainen tekninen arviointi: ETA-12/0164 - 12.11.2015
Teknisestä arvioinnista vastaava laitos: Deutsches Institut für Bautechnik (DIBt; Saksan rakennustekninen instituutti),
Berliini
Ilmoitettu laitos / ilmoitetut laitokset: 2873, Institut für Stahlbau und Werkstoffmechanik (IFSW;
teräsrakenneteollisuuden ja materiaalimekaniikan instituutti), Darmstadt
6. Ilmoitettu suoritustaso/ilmoitetut suoritustasot:

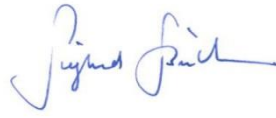
Perusominaisuudet	Suoritustaso	Yhdenmukaistetut tekniset eritelmät
Mekaaninen lujuus ja vakaus (BWR 1)		ETA-12/0164 ETAG 001 Teil 5 (ETAG 001 osa 5)
Ominaisarvot veto- ja poikittaiskuormituksessa	Katso liite C 1 - C 4	
Siirtymä veto- ja poikittaiskuormituksessa	Katso liite C 5/ C 6	
Palosuoja (BWR 2)		
Palokäyttäytyminen	Ankkuri vastaa luokan A1 vaatimuksia	
Palonkestävyys	Suoritustasoa ei määritetty	

Edellä yksilöidyn tuotteen suoritustaso on ilmoitettujen suoritustasojen joukon mukainen. Tämä suoritustasoilmoitus on asetuksen (EU) N:o 305/2011 mukaisesti annettu edellä ilmoitetun valmistajan yksinomaisella vastuulla.

Valmistajan puolesta allekirjoittanut:



Frank Wolpert
(Prokuristi - tuotehallinnon johtaja)



TkT Siegfried Beichter
(Prokuristi - laadunjohtaja)

Künzelsau, 01.01.2021

DÉCLARATION DE PERFORMANCES

N° 0903450200_02_M_WIT-VM 250(1)

**Il s'agit ici de la version traduite à partir de l'allemand.
En cas de doute, la version allemande fait foi**

1. **Code d'identification unique du produit type :** Système à injecter Würth WIT-VM 250 et WIT-Nordic
N° de réf. : 0903 450 2*; 0903 450 102; 090546*; 090547*; 59151*; 59152*; 59153*; 59160*; 5916108999; 5916110999; 5916112999; 5916116999; 5916208999; 5916210999; 5916212999; 5916216999; 5916408110; 5916410130; 5916412160; 5916416190
2. **Usage(s) prévu(s) :** Cheville composite d'ancrage dans le béton
3. **Fabricant :** Adolf Würth GmbH & Co. KG
Reinhold-Würth-Strasse 12 - 17
D - 74653 Künzelsau
4. **Système(s) d'évaluation et de vérification de la constance des performances :** Système 1
5. **Document d'évaluation européen :** ETAG 001, Partie 5, avril 2013
Évaluation technique européenne : ETA-12/0164 - délivrée le 12/11/2015
Organisme d'évaluation technique : Deutsches Institut für Bautechnik (DIBt), Berlin
Organisme(s) notifié(s) : 2873, Institut für Stahlbau und Werkstoffmechanik (IFSW), Darmstadt
6. **Performance(s) déclarée(s) :**

Caractéristiques essentielles	Performance	Spécification technique harmonisée
Résistance mécanique et stabilité verticale (BWR 1)		ETA-12/0164 ETAG 001, partie 5
Valeurs caractéristiques sous contrainte de traction et transversale	Voir les annexes C1 à C4	
Déplacements sous contrainte de traction et transversale	Voir les annexes C5 / C6	
Protection incendie (BWR 2)		
Réaction au feu	La cheville répond aux exigences de la classe A1	
Résistance au feu	Pas de performance constatée	

La performance du produit susmentionné correspond à la performance / aux performances déclarée(s). Conformément au règlement (UE) N° 305/2011, la présente déclaration des performances est établie sous la seule responsabilité du fabricant mentionné ci-dessus.

Signée pour le fabricant et en son nom par :



Frank Wolpert
(Fondé de pouvoir - Directeur Gestion
Produits)



Dr. -Ing. Siegfried Beichter
(Fondé de pouvoir - Directeur Qualité)

Künzelsau, le 01/01/2021

DEARBHÚ FEIDHMÍOCHTA

Uimh. 0903450200_02_M_WIT-VM 250(1)

**Is é seo an leagan a aistríodh ón nGearmáinis.
Má tá aon amhras ort tá feidhm ag an bunleagan Gearmáinise**

- Cód aitheantais uathúil an chineáil táirge:** Würth Injektionssystem WIT-VM 250 und WIT-Nordic
Uimh.earra: 0903 450 2*; 0903 450 102; 090546*; 090547*; 59151*; 59152*; 59153*; 59160*; 5916108999; 5916110999; 5916112999; 5916116999; 5916208999; 5916210999; 5916212999; 5916216999; 5916408110; 5916410130; 5916412160; 5916416190
- Úsáid(i) b(h)eartaithe:** Ancaire nasctha le haghaidh daingnithe i gcoincreít
- Déantúsóir:** Adolf Würth GmbH & Co. KG,
Reinhold- Würth-Str. 12 - 17
D - 74653 Künzelsau
- Córa(i)s chun seasmhacht feidhmíochta a mheas agus a scrúdú:** Córas 1
- Doiciméad Measúnaithe Eorpach:** ETAG 001 Cuid 5, Aibreán 2013
Measúnú Teicniúil Eorpach: ETA-12/0164 - 12/11/2015
Ionad Measúnaithe Teicniúil: Deutsches Institut für Bautechnik, DIBt (Ionad Teicníocht Tógála na Gearmáine), Beirlín
Ionad Measúnaithe Teicniúil: Deutsches Institut für Bautechnik, DIBt (Ionad Teicníocht Tógála na Gearmáine), Beirlín
Iona(i)d dá dtugtar fógra: 2873, Institut für Stahlbau und Werkstoffmechanik (IFSW), Darmstadt (Institiúid um Fhoirgníocht Chruach agus Meicníocht Ábhair (IFSW), Darmstadt
- Feidhmíocht(aí) d(h)earbhaithe:**


Príomhthréithe	Feidhmíocht	Sonraíocht theicniúil chomhchuibhithe
Friotaíocht agus Cobhsaíocht Mheicniúil (BWR 1)		
Luachanna saintréitheacha faoi strus tarraingthe agus trasnach	Féach iarscríbhinn C1 go C4	ETA-12/0164 ETAG 001 Cuid 5
Aistrithe faoi strus tarraingthe agus trasnach	Féach iarscríbhinn C 5 / C 6	
Cosaint dóiteáin (BWR 2)		
Iompar i gcás dóiteáin	Comhlíonann an t-ancaire riachtanais Aicme A1	
Friotaíocht i gcoinne tine	Níor deimhníodh aon fheidhmíocht	

Tá feidhmíocht an táirge thuas ag teacht leis an bhfeidhmíocht dhearbhaithe/na feidhmíochtaí dearbhaithe. Is ar an déantúsóir thuasluaite amháin atá an fhreagracht Dearbhú Feidhmíochta a dhéanamh de réir Rialacháin (AE) Uimh. 305/2011.

Sínihe ar son agus thar ceann an déantúsóra ag:



Frank Wolpert
(Oifigeach Údaraithe - Stiúrtóir um
Bainistíocht Táirgí)



Dr. -Ing. Siegfried Beichter
(Oifigeach Údaraithe - Stiúrtóir
Cáilíochta)

Künzelsau, 01/01/2021

ΔΗΛΩΣΗ ΕΠΙΔΟΣΕΩΝ

Αρ. 0903450200_02_M_WIT-VM 250(1)

**Πρόκειται για την έκδοση μεταφρασμένη από τα γερμανικά.
Σε περίπτωση αμφιβολιών, ισχύει το γερμανικό πρωτότυπο**

- | | |
|---|--|
| 1. Μοναδικός κωδικός αναγνώρισης του τύπου του προϊόντος: | Σύστημα έγχυσης Würth WIT-VM 250 και WIT-Nordic
Αρ. είδ.: 0903 450 2*, 0903 450 102, 090546*, 090547*, 59151*, 59152*, 59153*, 59160*, 5916108999, 5916110999, 5916112999, 5916116999, 5916208999, 5916210999, 5916212999, 5916216999, 5916408110, 5916410130, 5916412160, 5916416190 |
| 2. Σκοπός (-οί) χρήσης: | Χημικό αγκύριο για αγκύρωση σε σκυρόδεμα |
| 3. Κατασκευαστής: | Adolf Würth GmbH & Co. KG,
Reinhold-Würth-Straße 12 - 17
D - 74653 Künzelsau |
| 4. Σύστημα (-τα) για την αξιολόγηση και τον έλεγχο της διατήρησης της επίδοσης: | Σύστημα 1 |
| 5. Ευρωπαϊκό έντυπο αξιολόγησης:
Ευρωπαϊκή τεχνική αξιολόγηση:
Οργανισμός τεχνικής αξιολόγησης:
Κοινοποιημένος οργανισμός (-οί): | ETAG 001 μέρος 5, Απρίλιος 2013
ETA-12/0164 - 12.11.2015
Deutsches Institut für Bautechnik (DIBt), Βερολίνο
2873, Institut für Stahlbau und Werkstoffmechanik (IFSW), Darmstadt |
| 6. Δηλωμένη επίδοση (-εις): | |


Σημαντικά χαρακτηριστικά	Επίδοση	Εναρμονισμένες τεχνικές προδιαγραφές
Μηχανική αντοχή και αντίσταση (BWR 1)		ETA-12/0164 ETAG 001 μέρος 5
Χαρακτηριστικές τιμές σε εφελκυστική και εγκάρσια καταπόνηση	Βλέπε παράρτημα C 1 έως C 4	
Μετατοπίσεις υπό εφελκυστική και εγκάρσια καταπόνηση	Βλέπε παράρτημα C 5 / C 6	
Πυροπροστασία (BWR 2)		
Συμπεριφορά σε πυρκαγιά	Το αγκύριο ικανοποιεί τις απαιτήσεις της κατηγορίας A1	
Αντοχή σε πυρκαγιά	Δεν έχει προσδιοριστεί επίδοση	

Η επίδοση του προαναφερόμενου προϊόντος αντιστοιχεί στη δηλωμένη επίδοση/στις δηλωμένες επιδόσεις. Για τη σύνταξη της δήλωσης επιδόσεων σε συμμόρφωση με τον κανονισμό (ΕΕ) αρ. 305/2011 ο μόνος υπεύθυνος είναι ο προαναφερόμενος κατασκευαστής.

Υπογράφεται για τον κατασκευαστή και εν ονόματι του κατασκευαστή από:



Frank Wolpert
(Γενικός εμπορικός πληρεξούσιος -
Διευθυντής διαχείρισης παραγωγής)



Dr. -Ing. Siegfried Beichter
(Γενικός εμπορικός πληρεξούσιος -
Διευθυντής ποιότητας)

Künzelsau, την 01.01.2021

IZJAVA O SVOJSTVIMA

Br. 0903450200_02_M_WIT-VM 250(1)

Ova je verzija teksta prevedena s njemačkog.
U slučaju dvojbe original na njemačkom ima prednost

1. Jedinstvena identifikacijska oznaka tipa proizvoda: Würth injekcijski sustav WIT-VM 250 i WIT-Nordic
Br. art.: 0903 450 2*; 0903 450 102; 090546*; 090547*; 59151*;
59152*; 59153*; 59160*; 5916108999; 5916110999; 5916112999;
5916116999; 5916208999; 5916210999; 5916212999; 5916216999;
5916408110; 5916410130; 5916412160; 5916416190
2. Namjena(e): Spojni zatici za kotvljenje u betonu
3. Proizvođač: Adolf Würth GmbH & Co. KG,
Reinhold- Würth-Str. 12 - 17
D - 74653 Künzelsau
4. Sustav/i za ocjenjivanje i provjeru postojanosti svojstava: Sustav 1
5. Europski dokument za ocjenjivanje: ETAG 001, dio 5., travanj 2013
Europska tehnička ocjena: ETA-12/0164 - 12.11.2015.
Tijelo za tehničku ocjenu: Njemački institut građevinarstva (DIBt), Berlin
Prijavljeno/a tijelo/a: 2873, Institut za čelične konstrukcije i mehaniku materijala (IFSW), Darmstadt
6. Navedeno svojstvo/a:

Bitna obilježja	Svojstvo	Usklađene tehničke specifikacije
Mehanička čvrstoća i stabilnost (BWR 1)		
Karakteristične vrijednosti pri uzdužnom i poprečnom opterećenju	Vidi prilog C 1 do C 4	ETA-12/0164 ETAG 001, dio 5
Pomicanja pri uzdužnom i poprečnom opterećenju	Vidi prilog C 5 / C 6	
Zaštita od požara (BWR 2)		
Ponašanje u slučaju požara	Zatik zadovoljava zahtjeve razreda A1	
Otpornost na požar	Nije određeno svojstvo	

Svojstvo gore navedenog proizvoda odgovara navedenom svojstvu / navedenim svojstvima. Za izradu Izjave o svojstvima prema Odredbi (EU) br. 305/2011 isključivo je odgovoran gore navedeni proizvođač.

Potpisano za i u ime proizvođača od strane:



Frank Wolpert
(Prokurist - voditelj upravljanja proizvodima)



Dr. - Ing. Siegfried Beichter
(Prokurist - voditelj za kvalitetu)

Künzelsau, 1.1.2021.

TELJESÍTMÉNYNYILATKOZAT

0903450200_02_M_WIT-VM 250(1) sz.

**Ez a német nyelvről lefordított változat.
Kétség esetén a német nyelvű eredeti az érvényes.**

1. **A terméktípus egyedi azonosító kódja:** Würth WIT-VM 250 és WIT-Nordic injekciós rendszer
Cikkszámok: 0903 450 2*; 0903 450 102; 090546*; 090547*;
59151*; 59152*; 59153*; 59160*; 5916108999; 5916110999;
5916112999; 5916116999; 5916208999; 5916210999; 5916212999;
5916216999; 5916408110; 5916410130; 5916412160; 5916416190
2. **Felhasználási cél(ok):** Kötőanyaggal rögzített horgony betonban való horgonyzáshoz
3. **Gyártó:** Adolf Würth GmbH & Co. KG,
Reinhold-Würth-Straße 12 - 17
D - 74653 Künzelsau
4. **A teljesítményállandóság értékelésére és ellenőrzésére szolgáló rendszer(ek):** 1-es rendszer
5. **Európai értékelési dokumentum:** ETAG 001, 5. rész, 2013. április
Európai Műszaki Értékelés: ETA-12/0164 - 2015.11.12.
Műszaki értékelő szervezet: Deutsches Institut für Bautechnik (DIBt), Berlin
Bejelentett szerv(ek): 2873, Institut für Stahlbau und Werkstoffmechanik (IFSW), Darmstadt
6. **Nyilatkozatban szereplő teljesítmény(ek):**

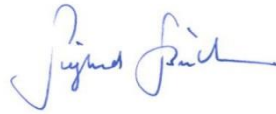
Lényeges jellemzők	Teljesítmény	Harmonizált műszaki specifikáció
Mechanikai szilárdság és állékonyság (BWR 1)		ETA-12/0164 ETAG 001, 5. rész
Jellemző értékek húzó és keresztirányú igénybevétel esetén	lásd a C 1 - C 4 mellékletet	
Eltolódások húzó és keresztirányú igénybevétel esetén	Lásd a C 5 / C 6 mellékletet	
Tűzvédelem (BWR 2)		
Tűzzel szembeni viselkedés	A horgony teljesíti az A1 osztály követelményeit	
Tűzállóság	Teljesítmény nincs meghatározva	

A fent megnevezett termék teljesítménye megfelel a teljesítménynyilatkozatban rögzített teljesítménynek/teljesítményeknek. A 305/2011 sz. EU rendelet előírásai alapján készült teljesítménynyilatkozat összeállítása kizárólag a fent nevezett gyártó felelőssége.

A gyártó képviselőjében és nevében aláírta:



Frank Wolpert
(cégvezető - termékmenedzsment
vezető)



Dr. -Ing. Siegfried Beichter
(cégvezető - minőségügyi vezető)

Künzelsau, 2021.01.01.

DICHIARAZIONE DI PRESTAZIONE

N. 0903450200_02_M_WIT-VM 250(1)

**La presente è la versione tradotta dal tedesco.
In caso di incertezze si considera valido l'originale in tedesco**

- | | |
|---|---|
| 1. Codice di identificazione unico del prodotto-tipo: | Würth Injektionssystem WIT-VM 250 und WIT-Nordic (Ancorante chimico - sistema ad iniezione Würth WIT-VM 250 e WIT-Nordic)
Art. n.: 0903 450 2*; 0903 450 102; 090546*; 090547*; 59151*; 59152*; 59153*; 59160*; 5916108999; 5916110999; 5916112999; 5916116999; 5916208999; 5916210999; 5916212999; 5916216999; 5916408110; 5916410130; 5916412160; 5916416190 |
| 2. Utilizzo/i previsto/i: | Ancorante chimico per l'ancoraggio nel calcestruzzo |
| 3. Azienda produttrice: | Adolf Würth GmbH & Co. KG,
Reinhold-Würth-Straße 12 - 17
D - 74653 Künzelsau |
| 4. Sistema/i di valutazione e verifica della prestazione: | Sistema 1 |
| 5. Documento per la Valutazione Europea: | ETAG 001 Parte 5, aprile 2013 |
| Valutazione tecnica europea: | ETA-12/0164 - 12.11.2015 |
| Organismo di valutazione tecnica: | Deutsches Institut für Bautechnik (DIBt), Berlino |
| Organismo/i notificato/i: | 2873, Institut für Stahlbau und Werkstoffmechanik (IFSW), Darmstadt |
| 6. Prestazione/i dichiarata/e: | |


Caratteristiche essenziali	Prestazione	Norma tecnica armonizzata
Resistenza meccanica e stabilità (BWR 1)		
Valori caratteristici in presenza di carichi a trazione e orizzontali	Si vedano Allegati da C 1 a C 4	ETA-12/0164 ETAG 001 Parte 5
Variazioni sotto carichi a trazione e orizzontali	Si veda Allegato C 5/ C 6	
Sicurezza in caso di incendio (BWR 2)		
Reazione al fuoco	Il tassello soddisfa i requisiti della Classe A1	
Resistenza al fuoco	Nessuna prestazione determinata	

La prestazione del prodotto di cui sopra è conforme alla prestazione dichiarata/alle prestazioni dichiarate. Si rilascia la presente dichiarazione di prestazione ai sensi del Regolamento (UE) N. 305/2011 sotto la responsabilità esclusiva del suddetto fabbricante.

Firmato a nome e per conto del fabbricante da:



Frank Wolpert
(Procuratore - Responsabile gestione
prodotto)



Dr. -Ing. Siegfried Beichter
(Procuratore - Responsabile Qualità)

Künzelsau, 01.01.2021

EKSPLOATACINIŲ SAVYBIŲ DEKLARACIJA

Nr. 0903450200_02_M_WIT-VM 250(1)

**Tai yra vertimas iš vokiečių kalbos.
Kilus abejonių, vadovautis originalu vokiečių kalba.**

1. Produkto tipo unikalus atpažinimo kodas: „Würth“ injekcinė sistema WIT-VM 250 ir WIT-Nordic
Prekės Nr.: 0903 450 2*; 0903 450 102; 090546*; 090547*; 59151*; 59152*; 59153*; 59160*; 5916108999; 5916110999; 5916112999; 5916116999; 5916208999; 5916210999; 5916212999; 5916216999; 5916408110; 5916410130; 5916412160; 5916416190
2. Naudojimo paskirtis (-ys): sujungimo kaištis tvirtinimui betone
3. Gamintojas: „Adolf Würth GmbH & Co. KG“
Reinhold-Würth g. 12-17
D - 74653 Kiuncelsau
4. Eksploatacinių savybių atsparumo įvertinimo ir patikrinimo sistema (-os): 1 sistema
5. Europos įvertinimo dokumentas: ETAG 001, 5 dalis, 2013 m. balandžio mėn.
Europos techninis įvertinimas: ETA-12/0164, atliktas 2015-11-12
Techninio vertinimo įstaiga: „Deutsches Institut für Bautechnik (DIBt)“, Berlynas
Notifikuotoji (-osios) įstaiga (-os): 2873, „Institut für Stahlbau und Werkstoffmechanik“ (IFSW), Darmštatas
6. Deklaruojama (-os) eksploatacinė (-s) savybė (-s):

Pagrindinės charakteristikos	Eksploatacinės savybės	Darnusis techninis standartas
Mechaninis stiprumas ir stabilumas (BWR 1)		ETA-12/0164 ETAG 001, 5 dalis
Būdingas atsparumas veikiant tempimui ir skersinei įtampai	Žr. priedą: C 1 iki C 4	
Poslinkiai veikiant tempimui ir skersinei įtampai	Žr. priedą: C 5 / C 6	
Priešgaisrinė apsauga (BWR 2)		
Degumas	Kaištis atitinka A1 klasės reikalavimus	
Atsparumas ugniai	Galia nenustatyta	

Turimos produkto eksploatacinės savybės atitinka deklaruotas eksploatacines savybes. Už eksploatacinių savybių deklaracijos, atitinkančios potvarkį (ES) Nr. 305/2011, sudarymą atsako tik nurodytas gamintojas.

Pasirašo gamintojas ir atstovas gamintojo vardu:



Frank Wolpert
(Igaliojasis produkto vadovas)



Dr. inž. Siegfried Beichter
(Igaliojasis kokybės vadovas)

Kiuncelsau, 2021-01-01

EKSPLOATĀCIJAS ĪPAŠĪBU DEKLARĀCIJA

Nr. 0903450200_02_M_WIT-VM 250(1)

**Šī ir no vācu valodas tulkota dokumenta versija.
Šaubu gadījumā spēkā ir oriģināls vācu valodā**

- | | |
|--|---|
| 1. Nepārprotams produkta tipa identifikācijas kods: | <i>Würth</i> injekciju sistēmas WIT-VM 250 un WIT-Nordic
Preces Nr.: 0903 450 2*; 0903 450 102; 090546*; 090547*; 59151*; 59152*; 59153*; 59160*; 5916108999; 5916110999; 5916112999; 5916116999; 5916208999; 5916210999; 5916212999; 5916216999; 5916408110; 5916410130; 5916412160; 5916416190 |
| 2. Lietojuma mērķis(-i): | savienošanas dībelis enkurošanai betonā |
| 3. Ražotājs: | Uzņēmums: Adolf Würth GmbH & Co. KG
<i>Reinhold-Würth-Straße</i> 12 - 17
D - 74653 <i>Künzelsau</i> (Kincelzava) |
| 4. Eksploataācijas īpašību noturības novērtējuma un pārbaudes sistēma(-as): | Sistēma 1 |
| 5. Eiropas novērtējuma dokuments:
Eiropas Tehniskais novērtējums:
Tehniskā novērtējuma iestāde:
Paziņotā(-ās) iestāde(-es): | ETAG 001, 5. daļa, 2013. g. aprīlis
ETA-12/0164 - 12.11.2015
Deutsches Institut für Bautechnik (DIBt), Berlin (Berlīne)
2873, Institut für Stahlbau und Werkstoffmechanik (IFSW), Darmstadt (Darmštate) |
| 6. Deklarētā(-ās) eksploataācijas īpašība(-as): | |

Būtiskie raksturlielumi	Eksploataācijas īpašības	Saskaņotā tehniskā specifikācija
Mehāniskā izturība un stiprība (BWR 1)		
Raksturīgie stiepes un šķērsslodzes parametri	Skatīt C 1 līdz C 4 pielikumus	ETA-12/0164 ETAG 001, 5. daļa
Bīde stiepes un šķērsslodzes ietekmē	Skatīt C 5 / C 6 pielikumus	
Ugunsdrošība (BWR 2)		
Degšanas īpašības	Dībelis atbilst A 1 klases prasībām	
Ugunsizturība	Parametri nav noteikti	

Šā produkta eksploataācijas īpašības atbilst deklarētajai(-ām) eksploataācijas īpašībai(-ām). Par eksploataācijas īpašību deklarācijas sagatavošanu saskaņā ar Regulu (ES) Nr. 305/2011 ir atbildīgs tikai iepriekš minētais ražotājs.

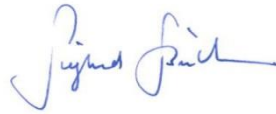
Ražotāja un ražotāja pārstāvja paraksts:



Frank Wolpert (Franks Volperts)

*(Prokurist – Leiter Produktmanagement
(prokūrists – produktu nodaļas
vadītājs))*

Künzelsau (Kincelzava), 01.01.2021.



Dr. -Ing. Siegfried Beichter (Dr. ing.
Zigfrīds Beihlers)

*(Prokurist – Leiter Qualität (prokūrists –
kvalitātes sistēmas vadītājs))*

DIKJARAZZJONI TA' PRESTAZZJONI

Nru 0903450200_02_M_WIT-VM 250(1)

Din hija l-verżjoni tradotta mill-Ġermaniż.
F'każ ta' dubju jgħodd id-dokument oriġinali bil-lingwa Ġermaniża

- Kodiċi uniku ta' identifikazzjoni tat-tip tal-prodott:** Würth Sistema b'Injezzjoni WIT-VM 250 u WIT-Nordic
Nru tal-oġġett: 0903 450 2*; 0903 450 102; 090546*; 090547*; 59151*; 59152*; 59153*; 59160*; 5916108999; 5916110999; 5916112999; 5916116999; 5916208999; 5916210999; 5916212999; 5916216999; 5916408110; 5916410130; 5916412160; 5916416190
- Użu/i intenzjonat/i:** Kaviġja għat-twaħħil, għall-ankraġġ fil-konkrit
- Manifattur:** Adolf Würth GmbH & Co. KG,
Reinhold-Würth-Str. 12 - 17
D - 74653 Künzelsau
- Sistema jew sistemi ta' valutazzjoni u verifika tal-kostanza ta' prestazzjoni:** Sistema 1
- Dokument Ewropew ta' valutazzjoni: Valutazzjoni Teknika Ewropea: Korp tal-valutazzjoni teknika: Korp/i nnotifikat/i:** ETAG 001, Parti 5, April 2013
ETA-12/0164 - 12/11/2015
Deutsches Institut für Bautechnik (DIBt), Berlin
2873, Institut für Stahlbau und Werkstoffmechanik (IFSW), Darmstadt, Germany
- Prestazzjoni/jiet ddikjarata/i:**

Karatteristiċi essenzjali	Prestazzjoni	Speċifikazzjoni teknika armonizzata
Stabbiltà u ebusija mekkanika (BWR 1)		ETA-12/0164 ETAG 001 Parti 5
Valuri karatteristiċi għal stress tensili u transversali	Ara l-Annessi C 1 sa C 4	
Spostamenti taħt stress tensili u transversali	Ara l-Anness C 5 / C 6	
Protezzjoni kontra n-nar (BWR 2)		
Reazzjoni għan-nar	Il-kaviġja tilhaq ir-rekwiżiti tal-klassi A 1	
Reżistenza kontra n-nar	Ebda prestazzjoni ddeterminata	

Il-prestazzjoni tal-prodott identifikat hawn fuq hija konformi mal-prestazzjonijiet iddikjarati. Din id-dikjarazzjoni ta' prestazzjoni hi maħruga skont ir-Regolament (UE) Nru 305/2011 taħt ir-responsabbiltà unika tal-manifattur identifikat hawn fuq.

Iffirmat għal u fisem il-manifattur minn:



Frank Wolpert
(Rapp. Awtorizzat - Kap, Ġestjoni tal-Prodott)



Dr. -Ing. Siegfried Beichter
(Rapp. Awtorizzat - Kap, Ġestjoni tal-Kwalità)

Künzelsau, 01/01/2021

PRESTATIEVERKLARING

Nr. 0903450200_02_M_WIT-VM 250(1)

**Dit is een uit het Duits vertaalde versie.
In twijfelgevallen geldt het Duitse origineel.**

- | | |
|--|---|
| 1. Eenduidige identificatiecode van het producttype: | Würth injectiesysteem WIT-VM 250 en WIT-Nordic
Art.nr.: 0903 450 2*; 0903 450 102; 090546*; 090547*; 59151*;
59152*; 59153*; 59160*; 5916108999; 5916110999; 5916112999;
5916116999; 5916208999; 5916210999; 5916212999; 5916216999;
5916408110; 5916410130; 5916412160; 5916416190 |
| 2. Gebruiksdoel(en): | compoundanker voor verankering in beton |
| 3. Fabrikant: | Adolf Würth GmbH & Co. KG,
Reinhold-Würth-Straße 12 - 17
D - 74653 Künzelsau |
| 4. Systeem/systemen voor beoordeling en verificatie van de prestatiebestendigheid: | Systeem 1 |
| 5. Europees beoordelingsdocument:
Europese technische beoordeling:
Technische beoordelingsinstantie:
Aangemelde instantie(s): | ETAG 001 deel 5, april 2013
ETA-12/0164 - 12/11/2015
Deutsches Institut für Bautechnik (DIBt), Berlijn
2873, Institut für Stahlbau und Werkstoffmechanik (IFSW), Darmstadt |
| 6. Vastgestelde prestatie(s): | |


Belangrijkste eigenschappen	Prestatie	Geharmoniseerde technische specificatie
Mechanische sterkte en stabiliteit (BWR 1)		ETA-12/0164 ETAG 001 deel 5
Karakteristieke waarden bij trek- en dwarsbelasting	zie bijlage C1 t/m C4	
Verschuivingen onder trek- en dwarsbelasting	zie bijlage C5 / C6	
Brandveiligheid (BWR 2)		
Brandgedrag	De plug voldoet aan de eisen van klasse A1	
Brandweerstand	geen prestatie vastgesteld	

De prestatie van het bovenvermelde product voldoet aan de vastgestelde prestatie(s). Voor het opstellen van de prestatieverklaring overeenkomstig verordening (EU) nr. 305/2011 is uitsluitend de bovengenoemde fabrikant verantwoordelijk.

Ondertekend voor de fabrikant en in naam van de fabrikant door:



Frank Wolpert
(Procuratiehouder - Hoofd
Productmanagement)



dr.-ing. Siegfried Beichter
(Procuratiehouder - Hoofd Kwaliteit)

Künzelsau, 01/01/2021

YTELSESERKLÆRING

Nr. 0903450200_02_M_WIT-VM 250(1)

**Dette er en versjon som er oversatt fra tysk.
Skulle det oppstå tvil, gjelder den tyske originalen**

1. Entydig kode for produkttypen: Würth injeksjonssystem WIT-VM 250 og WIT-Nordic
Art.-nr.: 0903 450 2*; 0903 450 102; 090546*; 090547*; 59151*;
59152*; 59153*; 59160*; 5916108999; 5916110999; 5916112999;
5916116999; 5916208999; 5916210999; 5916212999; 5916216999;
5916408110; 5916410130; 5916412160; 5916416190
2. Bruksområde: Komposittplugg til forankring i betong
3. Produsent: Adolf Würth GmbH & Co. KG,
Reinhold-Würth-Straße 12 - 17
D - 74653 Künzelsau
4. System(er) til vurdering og kontroll av ytelsesbestandigheten: System 1
5. Europeisk vurderingsdokument: ETAG 001 del 5, april 2013
Europeisk teknisk godkjenning: ETA-12/0164 - 12.11.2015
Teknisk godkjenningsorgan: Deutsches Institut für Bautechnik, Berlin
Teknisk(e) kontrollorgan(er): 2873, Institut für Stahlbau und Werkstoffmechanik (IFSW), Darmstadt, Tyskland
6. Erklært(e) ytelse(r):

Vesentlige egenskaper	Ytelse	Harmonisert teknisk spesifikasjon
Mekanisk fasthet og stabilitet (BWR 1)		
Karakteristiske verdier ved strekk- og tverrlastbelastning	Se vedlegg C1 til C4	ETA-12/0164 ETAG 001 del 5
Forskyvninger under strekk- og tverrlastbelastning	Se vedlegg C5 / C6	
Brannvern (BWR 2)		
Egenskaper ved brann	Pluggen oppfyller kravene til klasse A1	
Brannmotstand	Ingen ytelse fastlagt	

Ytelsen til dette produktet tilsvarer den erklærte ytelsen / de erklærte ytelsene. Produsenten som er nevnt over, er eneansvarlig for at det lages en ytelseserklæring i henhold til forordningen (EU) nr. 305/2011.

Undertegnet for produsenten og på vegne av produsenten:



Frank Wolpert
(prokurist - leder produktstyring)



Dr. ing. Siegfried Beichter
(prokurist- leder kvalitet)

Künzelsau, den 01.01.2021

DEKLARACJA WŁAŚCIWOŚCI UŻYTKOWYCH

Nr 0903450200_02_M_WIT-VM 250(1)

**Ten dokument jest wersją przełożoną z języka niemieckiego.
W razie wątpliwości obowiązuje wersja niemiecka.**

1. **Niepowtarzalny kod identyfikacyjny typu produktu:** Würth system do zastrzyków WIT-VM 250 i WIT-Nordic
Nr artykułu: 0903 450 2*; 0903 450 102; 090546*; 090547*; 59151*; 59152*; 59153*; 59160*; 5916108999; 5916110999; 5916112999; 5916116999; 5916208999; 5916210999; 5916212999; 5916216999; 5916408110; 5916410130; 5916412160; 5916416190
2. **Przeznaczenie:** kołek rozporowy do kotwienia w betonie
3. **Producent:** Adolf Würth GmbH & Co. KG,
Reinhold-Würth-Straße 12 - 17
D - 74653 Künzelsau
4. **System (systemy) oceny i weryfikacji stałości właściwości użytkowych:** System 1
5. **Europejski dokument oceny:** ETAG 001 część 5, kwiecień 2013
Europejska Ocena Techniczna: ETA-12/0164 - 12.11.2015
Placówka sporządzająca ocenę techniczną: Deutsches Institut für Bautechnik (DIBt), Berlin
Jednostka/-i notyfikowana/-e: 2873, Institut für Stahlbau und Werkstoffmechanik (Instytut konstrukcji stalowych i mechaniki tworzyw), Darmstadt
6. **Deklarowane właściwości użytkowe:**


Istotne cechy	Właściwości użytkowe	Zharmonizowana specyfikacja techniczna
Wytrzymałość mechaniczna i stateczność (BWR 1)		ETA-12/0164 ETAG 001 część 5
Wartości charakterystyczne przy rozciąganiu i obciążeniu poprzecznym	Patrz załącznik C 1 do C 4	
Przesunięcia w razie rozciągania i obciążenia poprzecznego	Patrz załącznik C 5 / C 6	
Ochrona przeciwpożarowa (BWR 2)		
Klasyfikacja ogniowa	Kołek spełnia wymagania klasy A1	
Odporność ogniowa	Nie ustalono właściwości	

Właściwości użytkowe powyższego produktu pokrywają się z deklarowanymi właściwościami użytkowymi. Za sporządzenie deklaracji właściwości użytkowych zgodnie z rozporządzeniem (UE) nr 305/2011 odpowiedzialny jest wyłącznie wyżej wymieniony producent.

Podpisano za producenta i w jego imieniu:



Frank Wolpert
(Prokurent - Kierownik działu
zarządzania produktami)



Dr inż. Siegfried Beichter
(Prokurent - Kierownik działu jakości)

Künzelsau, dnia 01.01.2021 r.

DECLARAÇÃO DE DESEMPENHO

N.º 0903450200_02_M_WIT-VM 250(1)

Versão traduzida da versão alemã.

Em caso de dúvida, é válido o original em alemão

1. **Código de identificação inequívoco do tipo de produto:** Sistema de injeção WIT-VM 250 e WIT-Nordic Würth
N.º art.: 0903 450 2*; 0903 450 102; 090546*; 090547*; 59151*; 59152*; 59153*; 59160*; 5916108999; 5916110999; 5916112999; 5916116999; 5916208999; 5916210999; 5916212999; 5916216999; 5916408110; 5916410130; 5916412160; 5916416190
2. **Fim/fins de utilização:** Cavilha de fixação por aderência para ancoragem em betão
3. **Fabricante:** Adolf Würth GmbH & Co. KG,
Reinhold-Würth-Straße 12 - 17
D - 74653 Künzelsau
4. **Sistema(s) para avaliação e verificação da constância do desempenho:** Sistema 1
5. **Documento de avaliação europeu:** ETAG 001 parte 5, abril de 2013
Avaliação Técnica Europeia: ETA-12/0164 - 12.11.2015
Organismo de Avaliação Técnica: Deutsches Institut für Bautechnik (DIBt), Berlim
Organismo(s) notificado(s): 2873, Institut für Stahlbau und Werkstoffmechanik (IFSW), Darmstadt
6. **Desempenho(s) declarado(s):**

Características essenciais	Desempenho	Especificação Técnica Harmonizada
Resistência mecânica e estabilidade (BWR 1)		ETA-12/0164 ETAG 001, parte 5
Valores característicos para esforço de tração e esforço transversal	Veja anexo C 1 até C 4	
Deslocações sob esforço de tração e esforço transversal	Veja anexo C 5 / C 6	
Proteção contra incêndio (BWR 2)		
Comportamento em caso de incêndio	A cavilha cumpre os requisitos da classe A1	
Resistência ao fogo	Desempenho não determinado	

O desempenho do produto corresponde ao desempenho declarado / aos desempenhos declarados. O fabricante acima mencionado é o único responsável pela elaboração da declaração de desempenho, em conformidade com o Regulamento (UE) n.º 305/2011.

Assinado pelo fabricante e em nome do fabricante por:



Frank Wolpert
(Procurador - Diretor de gestão de
produtos)



Dr. Eng.° Siegfried Beichter
(Procurador - Diretor de qualidade)

Künzelsau, a 01.01.2021

DECLARAȚIE DE PERFORMANȚĂ

Nr. 0903450200_01_M_WIT-VM 250 (1)

**Prezenta versiune este o traducere din limba germană.
În caz de dubiu, se aplică originalul în limba germană**

- | | |
|--|---|
| 1. Cod unic de identificare al tipului de produs: | Sistem de injecție Würth WIT-PE 250 și WIT-Nordic
Nr. articol: 0903 450 2*; 0903 450 102; 090546*; 090547*; 59151*; 59152*; 59153*; 59160*; 5916108999; 5916110999; 5916112999; 5916116999; 5916208999; 5916210999; 5916212999; 5916216999; 5916408110; 5916410130; 5916412160; 5916416190 |
| 2. Scopul sau scopurile de utilizare: | Diblu de îmbinare pentru ancorare în beton |
| 3. Producător: | Adolf Würth GmbH & Co. KG,
Reinhold-Würth-Straße 12 - 17
D - 74653 Künzelsau |
| 4. Sistem(e) pentru evaluarea și verificarea constanței performanței: | Sistem 1 |
| 5. Document european de evaluare:
Evaluare tehnică europeană:
Organism de evaluare tehnică:
Organism(e) notificat(e): | ETAG 001 Partea a 5-a, Aprilie 2013
ETA-12/0164 - 12.11.2015
Deutsches Institut für Bautechnik (DIBt), Berlin
2873, Institut für Stahlbau und Werkstoffmechanik (IFSW), Darmstadt (Institutul pentru construcții metalice și mecanica materialelor) |
| 6. Performanța(e) declarată(e): | |

Caracteristici esențiale	Performanță	Specificație tehnică armonizată
Rezistență mecanică și stabilitate (BWR 1)		ETA-12/0164 ETAG 001, partea 5
Valori caracteristice pentru solicitări la tracțiune și solicitări transversale	A se vedea anexele C 1 până la C 4	
Deplasări datorită solicitărilor la tracțiune și solicitărilor transversale	A se vedea anexa C 5 / C 6	
Protecție contra incendiilor (BWR 2)		
Comportament la incendiu	Diblu îndeplinește cerințele clasei A1	
Rezistență la foc	Nicio performanță determinată	

Performanța produsului prezentat este în conformitate cu performanța declarată / cu performanțele declarate. Pentru realizarea declarației de performanță în conformitate cu Ordonanța (UE) nr. 305/2011, singurul responsabil este producătorul menționat mai sus.

Semnată pentru și în numele producătorului, de către:



Frank Wolpert
(Reprezentant legal - director pentru
producție)



Dr.-Ing. Siegfried Beichter
(Reprezentant legal - director dep.
calitate)

Künzelsau, 01.01.2021

ДЕКЛАРАЦИЯ ХАРАКТЕРИСТИК

№ 0903450200_02_M_WIT-VM 250(1)

**Здесь речь идет о переведенной с немецкого языка версии.
В случае сомнений руководствоваться немецким оригиналом**

- | | |
|--|---|
| 1. Однозначная маркировка типа продукта: | Система инъекции Würth WIT-VM 250 и WIT-Nordic
Арт. №: 0903 450 2*; 0903 450 102; 090546*; 090547*; 59151*; 59152*; 59153*; 59160*; 5916108999; 5916110999; 5916112999; 5916116999; 5916208999; 5916210999; 5916212999; 5916216999; 5916408110; 5916410130; 5916412160; 5916416190 |
| 2. Цель(и) применения: | Комбинированный дюбель для анкеровки в бетоне |
| 3. Изготовитель: | Adolf Würth GmbH & Co. KG,
Reinhold-Würth-Straße 12 - 17
D - 74653 Künzelsau |
| 4. Система(ы) для оценки и проверки стабильности характеристик: | Система 1 |
| 5. Европейский оценочный документ:
Европейская техническая оценка:
Орган технической оценки
Уполномоченный(е) орган(ы): | ETAG 001 Часть 5, апрель 2013
ETA-12/0164 - 12.11.2015
Германский институт строительных технологий (DIBt), Берлин
2873, Институт строительных конструкций и механики материалов (IFSW),
Дармштадт |
| 6. Заявленная(-ые) характеристика(-и): | |


Важные признаки	Характеристика	Гармонизированная техническая спецификация
Механическая прочность и устойчивость (BWR 1)		ETA-12/0164 ETAG 001 Часть 5
Характерная несущая способность для растягивающих и сдвигающих нагрузок	См. Приложение с С 1 по С 4	
Смещения при растягивающих и сдвигающих нагрузках	См. Приложение С 5 / С 6	
Противопожарная защита (BWR 2)		
Огнестойкость	Дюбель выполняет требования класса А1	
Огнестойкость	Характеристика не определена	

Характеристика вышеприведенного продукта соответствует заявленной(-ым) характеристике/характеристикам. За составление декларации характеристик в соответствии с предписанием (EU) № 305/2011 отвечает исключительно вышеупомянутый изготовитель.

Подписано за изготовителя и от имени изготовителя:



Франк Вольперт
(Прокурис -
Нач.производств.отдела)



Д-р-инж. Зигфрид Байхтер
(Прокурис - Нач. ОТК)

Кюнцельзау, 01.01.2021

PRESTANDEKLARATION

Nr. 0903450200_02_M_WIT-VM 250(1)

**Denna version är översatt från tyska.
I tveksamma fall gäller originalet på tyska.**

- 1. Produkttypens unika identifikationskod:** Würth injekteringssystem WIT-VM 250 och WIT-Nordic
Art.-nr.: 0903 450 2*; 0903 450 102; 090546*; 090547*; 59151*;
59152*; 59153*; 59160*; 5916108999; 5916110999; 5916112999;
5916116999; 5916208999; 5916210999; 5916212999; 5916216999;
5916408110; 5916410130; 5916412160; 5916416190
- 2. Användningsändamål:** Ankarplugg för förankring i betong
- 3. Tillverkare:** Adolf Würth GmbH & Co. KG,
Reinhold-Würth-Straße 12 - 17
D - 74653 Künzelsau
- 4. System för bedömning och kontroll av prestandabeständighet:** System 1
- 5. Europeiskt bedömningsdokument:** ETAG 001 del 5, april 2013
Europeisk teknisk bedömning: ETA-12/0164 - 2015-11-12
Tekniskt bedömningsorgan: Deutsches Institut für Bautechnik (DIBt), Berlin
Notificerade organ: 2873, Institut für Stahlbau und Werkstoffmechanik (IFSW), Darmstadt
- 6. Deklarerad prestanda:**

Väsentliga egenskaper	Prestanda	Harmoniserad teknisk specifikation
Mekanisk hållfasthet och stabilitet (BWR 1)		
Karakteristiska värden vid dragpåkänning och tvärbelastning	Se bilaga C 1 till C 4	ETA-12/0164 ETAG 001 del 5
Förskjutning under dragpåkänning och tvärbelastning	Se bilaga C 5 / C 6	
Brandskydd (BWR 2)		
Branduppförande	Pluggen uppfyller kraven för klass A1	
Brandmotstånd	Ingen prestanda bestämd	

Ovanstående produkts prestanda överensstämmer med den prestanda som anges. Denna prestandadeklaration utfärdas i överensstämmelse med förordning (EU) nr. 305/2011 på eget ansvar av ovanstående tillverkare.

Undertecknad för tillverkaren och på tillverkarens vägnar av:



Frank Wolpert
(Prokurist - Chef Produkthantering)



Dr.-ing. Siegfried Beichter
(Prokurist - Chef Kvalitet)

Künzelsau, 2021-01-01

VYHLÁSENIE O VLASTNOSTIACH

Č. 0903450200_02_M_WIT-VM 250(1)

**Jedná sa tu o preloženú nemeckú verziu.
V prípade pochybností platí nemecký originál**

1. Jednoznačný identifikačný kód typu výrobku: Würth Injekčný systém WIT-VM 250 a WIT-Nordic
Výr. č.: 0903 450 2*; 0903 450 102; 090546*; 090547*; 59151*; 59152*; 59153*; 59160*; 5916108999; 5916110999; 5916112999; 5916116999; 5916208999; 5916210999; 5916212999; 5916216999; 5916408110; 5916410130; 5916412160; 5916416190
2. Účel(y) použitia: Spojovacie hmoždinky na ukotvenie do betónu
3. Výrobca: Adolf Würth GmbH & Co. KG,
Reinhold-Würth-Straße 12 - 17
D - 74653 Künzelsau
4. Systém (systémy) na posudzovanie a overovanie odolnosti parametrov: Systém 1
5. Európsky vyhodnocovací dokument: ETAG 001 Časť 5, apríl 2013
Európske technické vyhodnotenie: ETA-12/0164 - 12.11.2015
Pracovisko pre technické vyhodnotenie: Deutsches Institut für Bautechnik (Nemecký inštitút pre stavebnú techniku) (DIBt), Berlín
Notifikovaný orgán(y): 2873, Ústav pre oceľové konštrukcie a mechaniku materiálov (IFSW), Darmstadt
6. Vlastnosť(i) uvedené vo vyhlásení:

Podstatné znaky	Vlastnosť	Harmonizovaná technická špecifikácia
Mechanická pevnosť a stabilita (BWR 1)		ETA-12/0164 ETAG 001, Časť 5
Charakteristické hodnoty pri ťahovom a priečnom namáhaní	Pozri dodatok C 1 až C 4	
Posuny pri ťahovom a priečnom namáhaní	Pozri dodatok C 5 / C 6	
Protipožiarna ochrana (BWR 2)		
Reakcia látky pri požiari	Hmoždinka spĺňa požiadavky triedy A1	
Požiarna odolnosť	Nezistený žiadny výkon	

Vlastnosť vyššie uvedeného produktu zodpovedá vyhlásenej vlastnosti / vyhláseným vlastnostiam. Na vyhotovenie vyhlásenia o parametroch v súlade s nariadením (EÚ) č. 305/2011 je zodpovedný sám vyššie uvedený výrobca.

Podpísané pre výrobcu a v mene výrobcu:



Frank Wolpert
(Prokurista - vedúci výrobného
manažmentu)



Dr. -Ing. Siegfried Beichter
(Prokurista - vedúci kvality)

Künzelsau, dňa 01. 01. 2021

IZJAVA O LASTNOSTIH

Št. 0903450200_02_M_WIT-VM 250(1)

**To besedilo je prevod iz nemščine.
V primeru dvoma velja nemški izvirnik**

- | | |
|---|--|
| 1. Enotna identifikacijska oznaka tipa izdelka: | Vbrizgalni sistem Würth WIT-VM 250 in WIT-Nordic
Št. art.: 0903 450 2*; 0903 450 102; 090546*; 090547*; 59151*;
59152*; 59153*; 59160*; 5916108999; 5916110999; 5916112999;
5916116999; 5916208999; 5916210999; 5916212999; 5916216999;
5916408110; 5916410130; 5916412160; 5916416190 |
| 2. Nameni uporabe: | Kombinirano sidro za sidranje v beton |
| 3. Proizvajalec: | Adolf Würth GmbH & Co. KG,
Reinhold-Würth-Straße 12 - 17
D - 74653 Künzelsau, Nemčija |
| 4. Sistemi za vrednotenje in preverjanje trajnosti lastnosti: | Sistem 1 |
| 5. Evropski ocenjevalni dokument:
Evropsko tehnično vrednotenje:
Organ, ki je opravil tehnično vrednotenje:
Obveščeni organ: | ETAG 001, 5. del, april 2013
ETA-12/0164 - 12.11.2015
Deutsches Institut für Bautechnik (DIBt), Berlin
2873, Institut für Stahlbau und Werkstoffmechanik (IFSW), Darmstadt |
| 6. Navedene lastnosti: | |

Bistvene značilnosti	Lastnost	Harmonizirana tehnična specifikacija
Mehanska trdnost in stabilnost (BWR 1)		ETA-12/0164 ETAG 001, del 5
Značilne vrednosti pri vlečni in prečni obremenitvi	Glejte Prilogo od C 1 do C 4	
Premikanje pod vlečno in prečno obremenitvijo	Glejte Prilogo C 5/C 6	
Protipožarna zaščita (BWR 2)		
Požarne lastnosti	Vložek izpolnjuje zahteve razreda A1	
Požarna odpornost	Zmogljivost ni določena	

Lastnosti tega izdelka ustrezajo navedenim lastnostim. Za pripravo izjave o lastnostih po uredbi (EU) št. 305/2011 je odgovoren izključno zgoraj navedeni proizvajalec.

Podpis za proizvajalca in v njegovem imenu:



Frank Wolpert
(prokurist - vodja izdelkov)



Dr. -Ing. Siegfried Beichter
(prokurist - vodja za kakovost)

Künzelsau, 1. 1. 2021

PERFORMANS BEYANI

No. 0903450200_02_M_WIT-VM 250(1)

**Bu metin, Almanca dilinden yapılmış bir çeviridir.
Şüpheli durumlarda Almanca orijinal metin geçerli olacaktır**

1. Ürün tipinin açık kodu: Würth Enjeksiyon sistemi WIT-VM 250 ve WIT-Nordic
Ürün No.: 0903 450 2*; 0903 450 102; 090546*; 090547*; 59151*;
59152*; 59153*; 59160*; 5916108999; 5916110999; 5916112999;
5916116999; 5916208999; 5916210999; 5916212999; 5916216999;
5916408110; 5916410130; 5916412160; 5916416190
2. Kullanma amacı (amaçları): Betona ankraj için kimyasal dübel
3. Üretici: Adolf Würth GmbH & Co. KG,
Reinhold-Würth-Straße 12 - 17
D - 74653 Künzelsau
4. Performansın sürdürülebilirliğinin değerlendirilmesi ve kontrolü için sistem(ler): Sistem 1
5. Avrupa Değerlendirme Belgesi: ETAG 001 Bölüm 5, Nisan 2013
Avrupa Teknik Değerlendirmesi: ETA-12/0164 - 12.11.2015
Teknik Değerlendirme Kuruluşu: Deutsches Institut für Bautechnik (DIBt), Berlin
Akredite kuruluş(lar): 2873, Institut für Stahlbau und Werkstoffmechanik (IFSW), Darmstadt
6. Beyan edilen performans(lar):

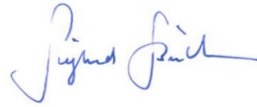
Önemli özellikler	Performans	Uyumlandırılmış teknik nitelik
Mekanik dayanıklılık ve kararlılık (BWR 1)		
Çekme yüklerinde ve yan yüklerde karakteristik değerler	Bkz. ek C 1 ila C 4	ETA-12/0164 ETAG 001 Bölüm 5
Çekme yükleri ve yan yükler altında kaydırmalar	Bkz. ek C 5 / C 6	
Yangından koruma (BWR 2)		
Yangındaki tutum	Dübel Sınıf A1'deki beklentileri karşılamaktadır	
Yangına dayanıklılık	Bir performans belirlenmedi	

Mevcut ürünün performansı, beyan edilen performans / beyan edilen performanslara uygundur. Performans beyanının 305/2011 numaralı yönetmelikle (AB) uyumlu olarak oluşturulmasından yukarıda belirtilen üretici tek başına sorumludur.

Üretici için ve üretici adına imzalayan:



Frank Wolpert
(İmzaya yetkili ürün yönetim bölümü yöneticisi)



Dr. Müh. Siegfried Beichter
(İmzaya Yetkili Kalite Yöneticisi)

Künzelsau, 01.01.2021