

## INJECTION RESIN TRUTEK TCM PRO

### Usage:

- sticking threaded and reinforcing bars in concrete, non-cracked concrete and natural stone,
- sticking threaded rods in cracked concrete (M12-M16),
- fixing all types of building constructions and support columns,
- anchoring barriers, acoustic screens and barriers on road infrastructure facilities,
- assembly of machines and devices.

### Advantages:

- transferring the highest loads in cracked and non-cracked concrete,
- does not react with chemicals and water after curing,
- aging-resistant resin,
- unscented resin - does not contain styrene,
- extended gelation and setting time allows deep gluing of threaded and reinforcing bars.
- wide range of TCS anchor rods, galvanized steel, hot-dip galvanized steel as well as stainless steel A2, A4 and stainless steel with increased corrosion resistance 1.4529



		Resin setting times				
substrate temperature	°C	40	30	20	10	0
Gel time	min	3	6	12	17	25
Cure Time	min	45	60	65	70	90

### Anchor rod material:

Threaded rods are made of carbon steel in the mechanical properties class 5.8, 8.8 and 10.9 are covered with a layer of galvanic zinc coating min. 5µm or fire up to 45µm. Threaded rods in stainless steel, class A2, A4 and HCR. Class B and C reinforcing bars

### Substrate material:

Cracked and non-cracked concrete class C20 / 25 to C50 / 60;

### Injection resin TCM PRO with threaded rods

Resin / type of anchored rod	TCM PRO / TCS threaded rod steel class 5.8					
	M8	M10	M12	M16	M20	M24
Design load-bearing capacity for pulling out NRd [kN] (non-cracked concrete)	12,0	17,9	24,85	33,5	53,4	73,9
Shear load capacity VRd [kN] (non-cracked concrete)	7,2	12,0	16,8	31,19	48,8	70,4
Tensile load capacity for pulling out NRd [kN] (cracked concrete)	-	-	9,68	14,65	-	-
Shear load capacity VRd [kN] (cracked concrete)	-	-	16,8	29,30	-	-
Hole / drill diameter up to [mm]	10	12	14	18	24	28
Nominal effective anchorage depth hef, [mm]	80	90	110	125	170	210
Substrate thickness hmin [mm]	110	120	140	165	220	270
Minimum spacing between smin anchors [mm]	40	50	60	80	100	120
Minimum distance from the edge cmin [mm]	40	50	60	80	100	120
Required tightening torque Tinst [Nm]	10	20	30	60	90	140
Approximate amount of resin per hole in [ml]	3,7	5,1	7,4	11,1	38,9	56,8
Number of mounts from one tube - 420ml capacity	131	82	56,7	37,8	10,7	7,4

Technical data Trutek TCM PRO based on the strength of concrete C20 / 25 (according to PN-EN 206-1: 2003). The entire European Technical Assessment No. ETA-12/0129 should be taken into account when designing

### Injection resin TCM PRO with reinforcing bars

Resin / type of anchored rod	TCM PRO / reinforcing bar						
	Ø 8	Ø 10	Ø 12	Ø 14	Ø 16	Ø 20	Ø 25
Design load-bearing capacity for pulling out NRd [kN] (non-cracked concrete)	7,82	11,78	16,12	21,35	22,66	38,55	55,0
Shear load capacity VRd [kN] (non-cracked concrete)	9,33	14,66	20,65	28,00	36,65	57,30	90,0
Hole / drill diameter up to [mm]	12	14	16	18	20	25	32
Nominal effective anchorage depth hef, [mm]	80	90	110	125	125	170	210
Substrate thickness hmin [mm]	110	120	140	155	160	210	260
Minimum spacing between smin bars [mm]	40	50	60	70	80	100	125
Minimum distance from the edge cmin [mm]	40	50	60	70	80	100	125
Approximate amount of resin per hole in [ml]	8,3	11,2	16,0	21,6	38,5	84,9	114,1
Number of mounts from one tube - capacity 420 ml	50	37	26	19	11	5	3,6

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## Chemical anchor rods and accessories

Rod diameter d [mm]	Hole diameter d <sub>0</sub> [mm]	Minimum substrate thickness h <sub>min</sub> [mm]	Hole depth h <sub>1</sub> [mm]	TCS Anchor rod steel grade 5.8 and 8.8*	TCS G steel anchor rod grade 5.8 and 8.8* hot dipped galvanised	TCS SS Anchor rod stainless steel A2-304	TCS SSA4 Anchor rod stainless steel A4-316	Hole Cleaning Brush TCB	Drill Bits
8	10	110	80	TCS08110	TCS08110G	TCS08110SS*	TCS08110SSA4	TCB13	TCP10160
10	12	120	90	TCS10130	TCS10130G	TCS10130SS*	TCS10130SSA4	TCB13	TCP12160
12	14	140	110	TCS12160	TCS12160G	TCS12160SS*	TCS12160SSA4	TCB18	TCP14210
16	18	165	125	TCS16190	TCS16190G	TCS16190SS*	TCS16190SSA4	TCB18	TCP18310
20	24	220	170	TCS20260	TCS20260G	TCS20260SS*	TCS20260SSA4	TCB28	TCMU24340
24	28	310	210	TCS24300	TCS24300G	TCS24300SS*	TCS24300SSA4	TCB28	TCMU28340

\* anchor rods available on request

Battery Dispenser  
TDBT358T8



Applicator TCM 410MT



Mixer Nozzle TCN01 i Mixer  
Nozzle extension TEN01



Hole Cleaning Brush TCB i  
Blow Out Pump TBP

