

INJECTION RESIN TRUTEK TCM CPRO

Usage:

- sticking threaded and reinforcing bars in concrete, non-cracked concrete and natural stone
- fastening all types of building constructions and support columns
- fixing railings and handrails
- fixing barriers, acoustic screens and elements of road infrastructure
- assembly of machines and devices

Advantages:

- transferring high loads in non-cracked concrete
- does not react with chemicals and water after curing
- unscented resin does not contain styrene
- resin available in 420ml and 300ml tubes
wide range of TCS anchor rods range, galvanized steel, hot-dip galvanized steel as well as stainless steel 302, 416 and stainless steel with increased corrosion resistance 1.4529



Resin setting times						
Substrate temperature	°C	40	30	20	10	0
Gel time	min	3	5	9	9	20
Cure time in dry concrete	h	20	30	60	60	90
Cure time in wet concrete	h	40	60	120	120	180

Anchor rod material:

Threaded rods are made of carbon steel in the mechanical properties class 4.6, 4.8, 5.6, 5.8, 8.8, 10.9 and 12.9 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:

Non-cracked concrete, class C20 / 25 to C50 / 60;

Injection resin TCM CPRO with threaded rods

Resin / type of anchored rod	TCM CPRO / TCS threaded rod steel class 5.8					
Rod diameter d [mm]	M8	M10	M12	M16	M20	M24
Design load-bearing capacity for pulling out N _{Rd} [kN] (non-cracked concrete)	7,8	11,0	14,9	19,3	30,5	41,4
Shear load capacity V _{Rd} [kN] (non-cracked concrete)	7,2	12,0	16,8	31,2	48,8	70,4
Hole / drill diameter up to [mm]	10	12	14	18	24	28
Nominal effective anchorage depth h _{ef} , [mm]	80	90	110	125	170	210
Substrate thickness h _{min} [mm]	110	120	140	165	220	270
Minimum spacing between s _{min} anchors [mm]	40	50	60	80	100	120
Minimum distance from the edge c _{min} [mm]	40	50	60	80	100	120
Required tightening torque T _{inst} [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 CPRO based on the strength of concrete C20 / 25 (according to PN-EN 206-1: 2003). The entire European Technical Assessment No. ETA-19/0141 should be taken into account when designing

Injection resin TCM CPRO with reinforcing bars

Resin / type of anchored rod	TCM CPRO / reinforcing bar						
Rod diameter d[mm]	Ø 8	Ø 10	Ø 12	Ø 14	Ø 16	Ø 20	Ø 25
Design load-bearing capacity for pulling out N _{Rd} [kN] (non-cracked concrete)	6,1	8,6	12,6	14,9	14,9	25,4	39,2
Shear load capacity V _{Rd} [kN] (non-cracked concrete)	9,4	14,4	20,6	28,0	34,8	57,5	90,0
Hole / drill diameter up to [mm]	12	14	16	18	20	25	32
Nominal effective anchorage depth h _{ef} , [mm]	80	90	110	125	125	170	210
Substrate thickness h _{min} [mm]	110	120	140	155	160	210	260
Minimum spacing between s _{min} bars [mm]	40	50	60	70	80	100	125
Minimum distance from the edge c _{min} [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 _o [mm]	Minimum substrate thickness h _{min} [mm]	Hole Depth h ₁ [mm]	TCS Steel Anchor rod grade 5.8 and 8.8*	TCS G Stee 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	TCPP10160
10	12	120	90	TCS10130	TCS10130G	TCS10130SS*	TCS10130SSA4	TCB13	TCPP12160
12	14	140	110	TCS12160	TCS12160G	TCS12160SS*	TCS12160SSA4	TCB18	TCPP14210
16	18	165	125	TCS16190	TCS16190G	TCS16190SS*	TCS16190SSA4	TCB18	TCPP18310
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 NozzleTCN01 i Mixer
Nozzle extension TEN01



Hole Cleaning BrushTCB i
Blow Out Pump TBP

