

IDS 2025 NEWS

CYTECpro

pro LightTransmitting

The new **pro** root posts are a good addition to the EXATEC, CYTEC, and CONTEC root posts made of white opaque HT-Glassfiber, which have been proven in practice worldwide for over 20 years.

pro LightTransmitting throughout the entire apical post area for – optimized and shortened – primary curing of the composite, up to the tip of the root post. In a tightly timed schedule, the dentist gains valuable seconds to be able to proceed with the next step without losing time.

The new **pro** line features the same excellent properties, particularly in terms of stability and secure bonding with composite materials.

High bending strength

High fatigue and fracture resistance

Homogeneity due to dentin-like modulus of elasticity

High radiopacity

Secure adhesion due to micro-retentive surface

With CYTECpro eco,
the particularly careful application of the adhesive system is essential, as CYTECpro eco does not have the mesh-like retentions.



The utmost fatigue and fracture resistance

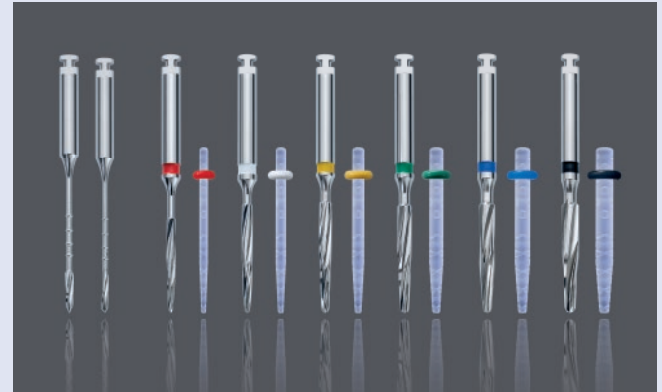
As our HT Glasfiber exhibits high bending strength they are very highly fatigue and fracture resistant. This was proven by the results of comparative scientific studies carried out in-vitro.¹

During another study, CYTEC specimen attained an even higher fracture resistance value of 509 N (mean), and this, despite the fact that, where the composite tooth transition is concerned, the starting specimen only exhibited a »Perfect Margin before TCML« value of 72%. This value of 509 N was determined after simulating a period of 5 years in situ (TCML 6000 x 5°C/55°C, each 2 min, $1.2 \cdot 10^6 \times 50$ N). In addition, a porcelain crown was fitted to these specimen (ferrule effect).²

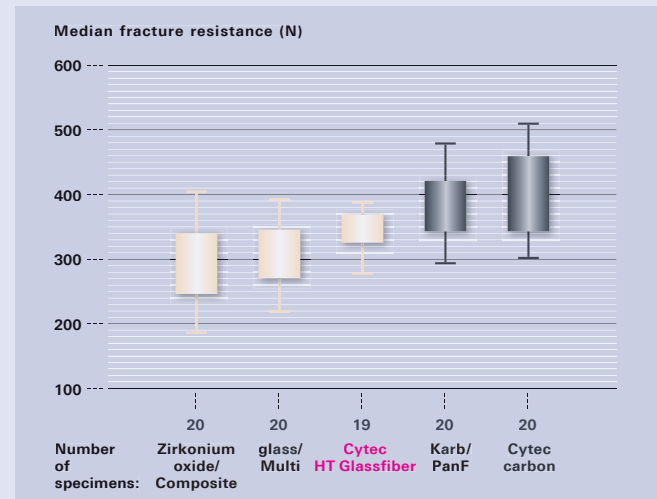
In comparison: Scientific studies indicate masticatory loading values of 30–80 N for premolars and canines and 150–250 N for incisors.

1 Dr. med. dent. Katrin Babenhauserheide Untersuchungen zur mechanischen Belastbarkeit und zum Verlauf der Bruchflächen verschiedener Stiftstrumpfaufbausysteme nach künstlicher Alterung. Ergebnisse einer In-vitro-Studie unter standardisierten Bedingungen – Inauguraldissertation zur Erlangung der zahnmedizinischen Doktorwürde der Charité-Universitätsmedizin Berlin, 02.04.2004

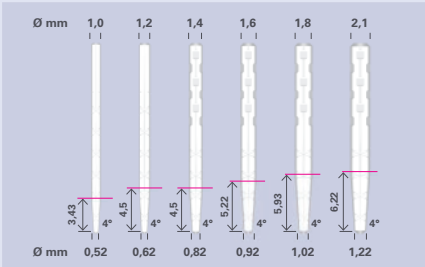
2 Martin Rosentritt (Dipl. Ing. (FH))
Fracture Strength of Fiber-reinforced and All-ceramic Post and Core Anterior Restorations
Universität Regensburg 03/2003



1 Results of a scientific study performed by the Charité Berlin¹



Root posts made out of Glasfiber:
Highest fracture resistance for Cytec: 348.8 N (mean value)



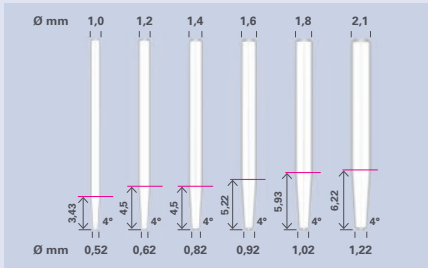
REF 43 800 CYTECpro, Standard Set
All Sets are shipped in a SHIPPING BOX.

Refill Pack

CYTECpro Root Post System			universal	1,0 mm	1,2 mm	1,4 mm	1,6 mm	1,8 mm	2,1 mm
		Code	–	red	white	yellow	green	blue	black
Instruments		pack.of	REF						
	Preshaping Drill with guiding tip	1	42 010						
	Preshaping Drill with cutting tip	1	43 000						
	Calibration Drill	1		43 00D10	43 001	43 002	43 00D16	43 003	43 004
CYTECpro		pack.of	REF						
Standard Set	2 Preshaping Drill univ. 6 Calibration Drill 22 Root Post	1	43 800						
Test Set	2 Preshaping Drill, univ. 1 Calibration Drill 3 Root Post	1	43 810						
ChangeOverSet	2 Preshaping Drill univ. 6 Calibration Drill	1	43 800COS						
	Root Post	5		43 80D10C5	43 801C5	43 802C5	43 80D16C5	43 803C5	43 804C5
	Root Post	10		43 80D10	43 801	43 802	43 80D16	43 803	43 804
Organizer + System Box, empty		1	10 010 + 10 001						



CYTECpro eco



REF 43 900 CYTECpro eco, Standard Set
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REF 10 001 (empty)

CYTECpro eco Root Post System			universal	1,0 mm	1,2 mm	1,4 mm	1,6 mm	1,8 mm	2,1 mm
		Code	–	red	white	yellow	green	blue	black
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	Root Post	5		43 90D10	43 901	43 902	43 90D16	43 903	43 904
Organizer + System Box, empty		1	10 010 + 10 001						

