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tZeen®

Universal, light-cure nano-hybrid dental restorative material



www.r-dental.com

Product information

ARROW-TRAXX® Cal de Luxe® DirectCem®



Bite to Perfection



Universal, light-cure nano-hybrid dental restorative material

Introduction

tZeen®* is a universal, light-cure nano-hybrid dental restorative material, indicated for chew resistant and occlusal anterior and posterior fillings of Black classes I-V.

tZeen® can be very easily used: it is smooth and extremely mouldable.

tZeen® has an innovative filler matrix with a very high nano-ceramic filler content of 80 weight-%. Through this very high filler content tZeen® offers a trend-settingly small polymerisation shrinkage.

The high surface hardness and exceptional abrasion stability makes tZeen® a wear-resistant filling material. Despite it's surface hardness tZeen® can be polished with extreme ease and gives excellent aesthetic and a superb colour stability.

Indications

Through the filler matrix of the nano-fluorapatite tZeen® releases fluoride and calcium, thus inhibiting secondary caries and encourages remineralisation around the cavity.

tZeen® in this way connects the mechanical stability of a nano-hybrid filling material with the aesthetic of a micro-filler composite, whilst at same time minimising shrinkage and offering good radioopacity.

tZeen® is available in corresponding VITA-shades. All parameters surpasses the standard ISO 4049. It is comparable with commercial adhesive systems.

The performance parameters are:

Performance parameter

Filler content:	80 weight-%
Density (20 °C):	1,9 g/cm ³
Recommended light polymerisation time:	about 20 s to 30 s (depends on shade)
Flexural strength:	140 MPa
Compressive strength:	320 MPa
Colour stability and polishability:	Very good
Radioopacity:	> 200 % Al

Benefits at a glance:

tZeen®

Benefits

- is light-cure and universal applicable for Black-classes I-V,
- is very good mouldable,
- has a very high filler content of 80 weight-% and thereby minimal shrinkage,
- is fluoride containing, radiopaque, and very stable against abrasion,
- is very good to polish, similar to a microfiller composite,
- provide an excellent aesthetic and colour stability,
- can be used with currently available normal adhesives and
- is offered in the VITA*-reference shades.

Order information

Order information:

Shade (tips):	A1	A2	-	A3	A3,5	B2	B3	C2	-	Each 10 Tips à 0,3 g
Order-No.:	TZT1001	TZT1002	-	TZT1004	TZT1005	TZT1009	TZT1010	TZT1012	-	-
Shade (syringe):	A1	A2	A2opaque	A3	A3,5	-	-	-	Incisal	Each 1 Syringe à 3,5 g
Order-No.:	TZS1001	TZS1002	TZS1003	TZS1004	TZS1005	-	-	-	TZS1015	-

* The brand name and trademark „tZeen“® is taken from the book titel „Artzney Buchlein wider allerlei Krankeyten und Gebrechen der Tzeen“, the first book in the world of dentistry, published in Leipzig, Germany, in the year 1530. The authors are unknown, however the book is the beginning of the dental literature (Malvin E. Ring, Die Geschichte der Zahnmedizin (History of dental science), Kônemann Verlagsgesellschaft mbH, Germany, 1997).

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