



Celtra®

Developed to make a difference

Information for the dental practice

Celtra®

The structure makes the difference



Perfect balance of translucency and natural opalescence

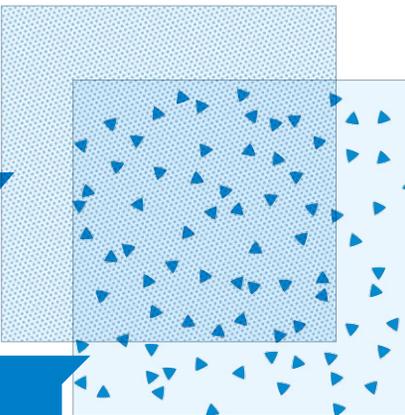
Celtra® is the new generation of high strength glass ceramics, zirconia reinforced lithium silicate – ZLS.

The unique microstructure of ZLS allows outstanding physical properties, exquisite beauty, strength and speed. Celtra® delivers an optimized balance of translucency and natural opalescence resulting in a game-changing chameleon effect (in-vivo blending) that makes the restoration indistinguishable from the natural tooth. The reduced crystal size with invisibly dissolved zirconium oxide serves to increase flexural strength and margin quality providing confidence in survivability.

Celtra is the new premium, high-performance material for most discerning dentists and patients.

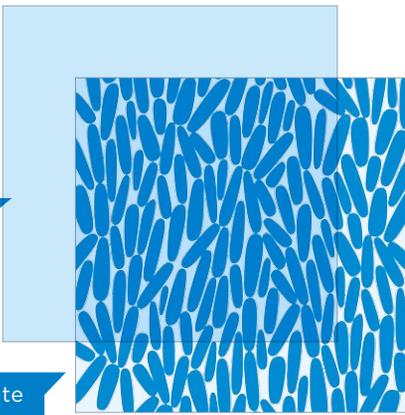
MICROSTRUCTURE ZLS

MICROSTRUCTURE LS₂



Glass with completely dissolved zirconia

Approximate mean crystallite lengths: 100 nm (lithium phosphate) and 500 and 1,400 nm (lithium disilicate) for Celtra Duo and Celtra Press, respectively



Glass

Lithium disilicate crystallites 2000 – 4000 nm

Celtra®

Game-changing benefits for you and your patients

Fascinating esthetics unmatched

- + Amazing chameleon effect provides in-vivo blending
- + Natural-like opalescence reduces graying effect in the patient's mouth
- + Excellent VITA shade matching
- + Perfect balance of translucency and natural opalescence (natural vitality)
- + Improved patient satisfaction

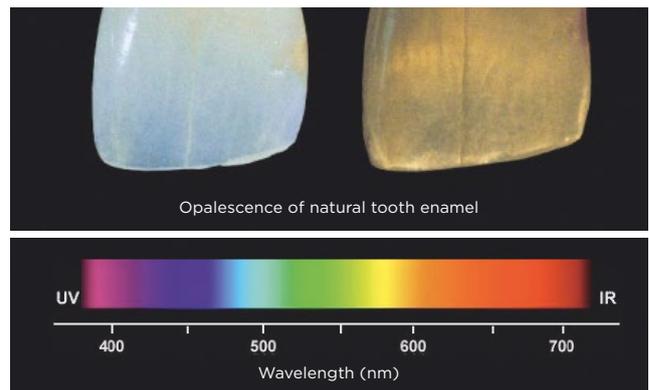
Strength to rely on

- + Increased flexural strength adds confidence in survivability
Celtra® Press: > 500 MPa
- + High margin integrity - lower risk of fractures in case of making adjustments in the patient's mouth
- + Extensive in-vitro (chewing simulation) testing during development
- + Ongoing, active clinical trials

Excellent performance

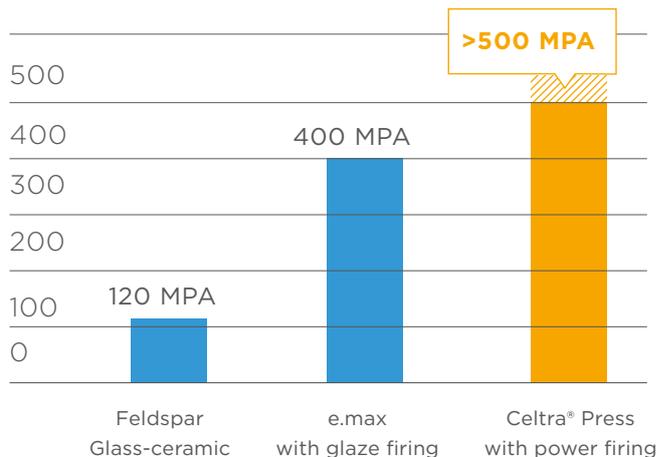
- + Radiopacity shows sealed margins on x-ray giving patient confidence
- + Multiple workflow choices based on desired indication
- + Easy to adjust/polish chairside
- + Flexibility in cementation options

NATURAL OPALESCENCE



Depending on the type of crystallites, we get mean lengths of around 100 nm and 1,400 nm for lithium phosphate and lithium disilicate, respectively. This approximates the wavelength range of natural daylight and is responsible for the opalescence. Celtra thus behaves like natural tooth enamel in terms of light dispersion.

COMPARISON OF STRENGTH*



* 3 Point Flexural Strength

COMPARISON RADIOPACITY



Celtra®

Make a difference in your dental practice



Excellent margin quality increases confidence in complex case designs

RESTORATION WITH CELTRA



Baseline situation



Final restoration with Celtra: indistinguishable esthetics with adjacent teeth

CUSTOMER VOICE



The new Celtra Press is truly the next generation in high strength glass ceramics. It's unique microstructure gives it greater properties that improve handling, esthetics and configuration that allow for easier workflow and improved confidence that no other press material has. It's improved vitality and shade accuracy give an exceptional visual opalescence and optimal translucencies.



Dr. Izchak Barzilay DDS, Cert. Prosth., MS, FRCD(C)
Toronto | ON | Canada



Opalescence !!!
Opalescence !!! Opalescence !!!
Achievable superior esthetics, with the strength and fit to match.



Trevor Laingchild R.D.T. AAACD
Toronto | ON | Canada
Burlington | ON | Canada



With its exclusive microstructure, Celtra Press delivers confidence with flexural strengths greater than 500MPa. Combining this strength, with a unique chameleon effect, Celtra Press truly creates restorations that are in harmony with natural dentition.



Edwin Kee, MCDT, TE
Associate Professor LSU School of Dentistry
New Orleans | LA | USA

Celtra®

Make a difference with your lab

CHAMELEON EFFECT OF CELTRA



Initial situation



Celtra-Veneers

RESTORATION WITH CELTRA



Initial situation



Final restoration with Celtra - indistinguishable from the natural teeth



What I particularly like as a practitioner is that the excellent polishability of the material facilitates small intraoral corrections without having to sacrifice quality.



Alexander Fischer, Dentist
Berlin | Germany



With accurate shades and very little reaction layer, Celtra Press has been a smooth integration into our workflow. The natural opalescence and chameleon effect produces an excellent end result.



Chess Moore, CDT
Aesthetic Reconstruction
Hattiesburg | MS | USA



This product is the best pressed material I have used!



Carlos Montaner
Montaner Dental Studio
Apex | NC | USA

INDICATIONS

- › Occlusal veneers
- › Thin veneers
- › Veneers
- › Inlays
- › Onlays
- › Crowns in the anterior and posterior region
- › 3-unit bridges* in the anterior region up to the second premolar as the terminal abutment
- › Crown or 3 unit bridge up to the second premolar placed on top of an implant abutment

* only available for Celtra Press

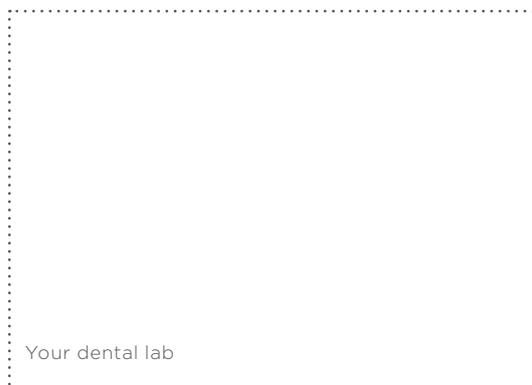
CEMENTATION

	Self-adhesive	Fully adhesive	Glass-ionomer
Inlays	R	HR	-
Onlays	R	HR	-
Crowns	HR	HR	R
Veneers	-	HR	-
Bridges	HR	HR	R

R = recommended
HR = highly recommended

With compliments

Your partner to offer the best esthetic restoration option available.



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