



CEREC Tesseract™

Advanced Lithium Disilicate

The trifecta of speed, strength, and esthetics

For single-visit indirect restorations, clinicians have grown accustomed to making trade-offs. Efficiency versus esthetics. Esthetics versus strength.

These trade-offs force unwanted decisions—from not using stains in order to fire faster to complicating inventory and processing protocols by keeping two or more block materials in stock.

79%

of dentists said esthetics is a primary reason for using glass ceramic.¹

82%

of dentists said strength is a primary reason for using zirconia.¹

NOW, THERE'S ONE CHOICE FOR BEAUTY, STRENGTH, AND SPEED WITHOUT UNWANTED TRADE-OFFS. CEREC TESSERA™ ADVANCED LITHIUM DISILICATE (ALD).

CEREC Tessera™ CAD/CAM blocks provide outstanding esthetics for a truly tooth-like restoration. Up to 32% higher biaxial strength for restoration longevity. And up to 44% faster total processing time for greater patient satisfaction and a more profitable procedure.

Speed, strength, and esthetics. It's the trifecta for single-visit success.



1. Data on file.

AN INNOVATIVE MATERIAL

CEREC Tessera™ blocks achieve exceptional three-way performance through a unique chemistry that incorporates two complementary crystal structures within a glassy zirconia matrix. These two crystals work together to create an unprecedented fusion of strength and beauty in one block while significantly improving overall processing time.

“ The 4.5 minute firing time is definitely ridiculous. Margins were excellent. ”

Anthony Ponzio, DDS

Lithium disilicate

Rod-shaped crystals provide strength in the same manner as rebar embedded in cement. These crystals increase the density of the material while helping protect against crack propagation.

Virgilite

Used in glass ceramics, these crystals are unique to CEREC Tessera™ material. They are activated through the matrix firing process and add strength while contributing to the outstanding esthetics that give the convincing appearance of natural teeth.



THE FAST CEREC BLOCK

CEREC Tessera™ blocks deliver faster total processing times, redefining the possibilities of single-visit dentistry.

These ALD blocks arrive already partially crystallized, allowing for fast, accurate shade selection.

They also enable faster firing—requiring only 4.5 minutes in a CEREC SpeedFire furnace, even with stains. Clinicians can save up to 44% of total processing time (grinding + firing) without compromising on the full range of esthetic options.

With simple processing and fast cooling, CEREC Tessera™ blocks deliver at every step to complement any workflow preference.

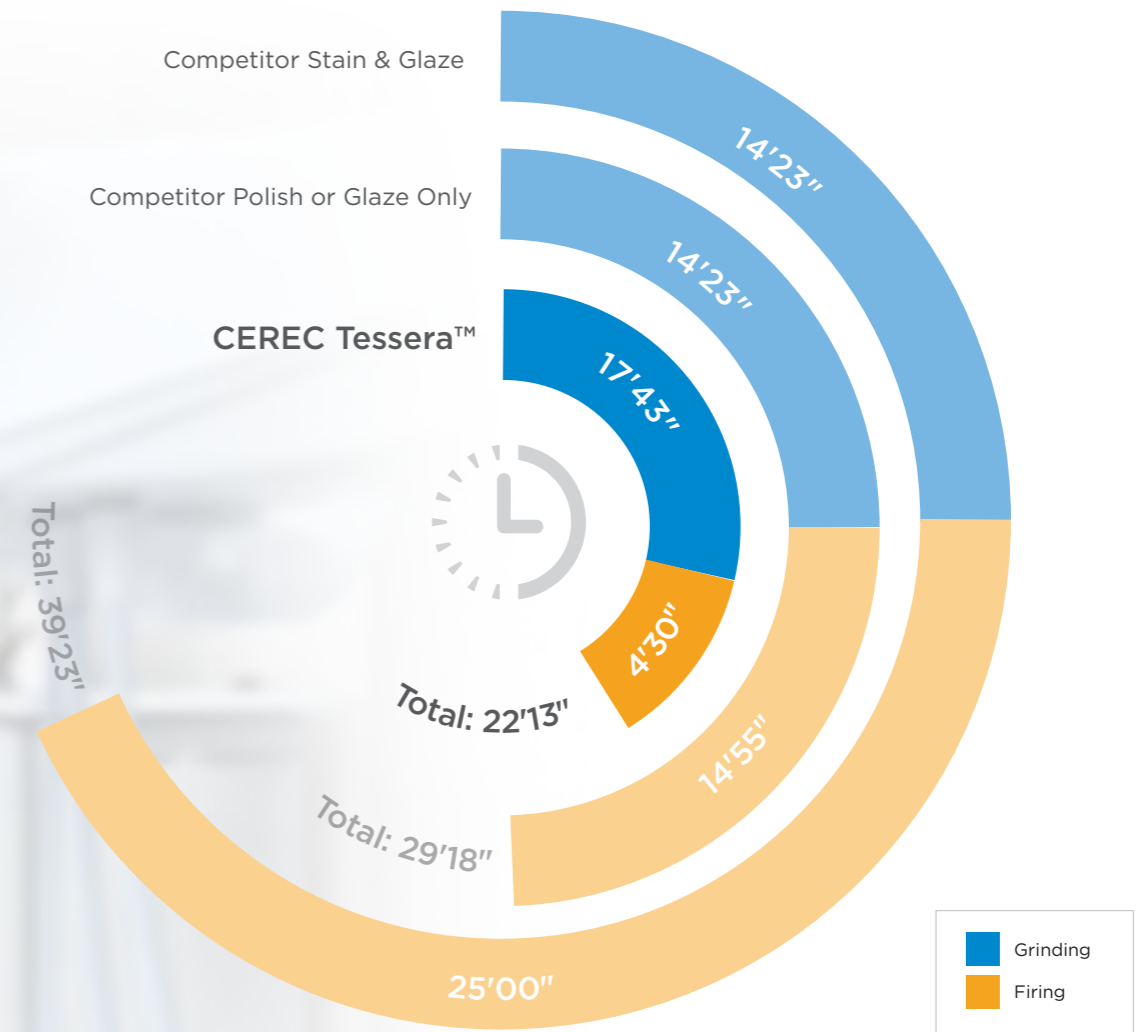
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dentists fail to meet a 60-minute single-visit goal for their single-unit crown restorations, with long total processing times contributing to longer appointments.¹

1. Data on file.



DETAILED PROCESSING VS. LEADING COMPETITOR²



“ The firing time is a game-changer with this material. ”

Michael Snider, DMD

2. Comparison based on average grinding times in CEREC MCXL and CEREC Primemill and firing times reported by manufacturers. Data on file.

THE STRONG CEREC BLOCK



Strength is the number-one feature clinicians look for in a CAD/CAM block¹

CEREC Tessera™ blocks are the strongest glass ceramic blocks currently offered anywhere in the market—up to 32% stronger than the competition,¹ with biaxial strength measured at more than 700 MPa. This strength allows for a conservative preparation design, with reduced risk of margin chipping. The unique combination of crystal structures and glass adds further assurance due to surface healing while firing.

What do these strength properties mean for your restorations?

You can use CEREC Tessera™ blocks with confidence for full-coverage crowns, inlays/onlays, and veneers. And you can count on the material's strength even at wall thicknesses down to 1.0 mm, giving you greater flexibility in your restoration designs.

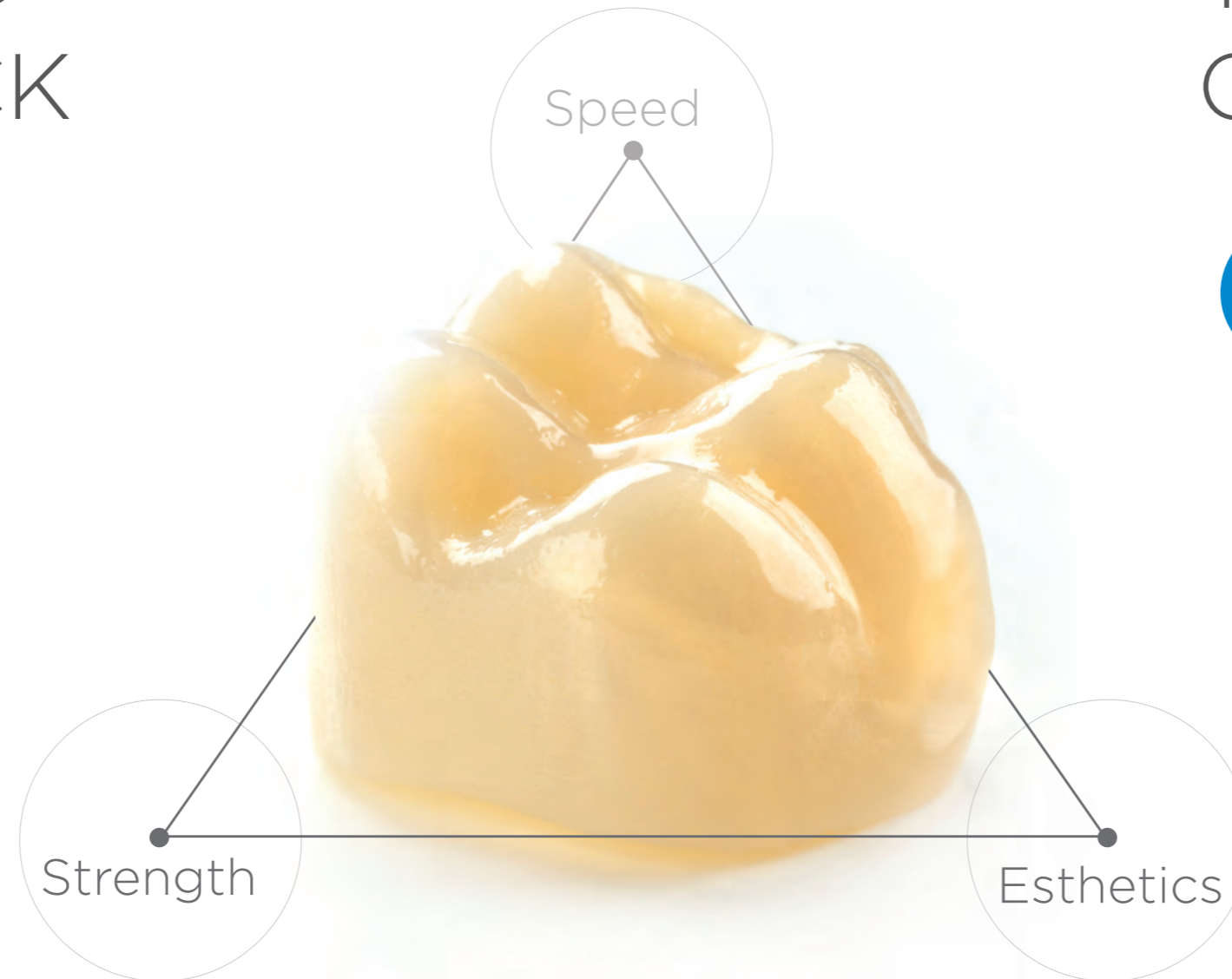


Indentation with presence of fractures.



Indentation after firing at 760 °C for 2 min.* Surface is smoothed and hairline fractures are sealed.

* Firing temperature for CEREC Tessera™.



THE ESTHETIC CEREC BLOCK



The second feature clinicians look for in a CAD/CAM block is esthetics.¹

Along with market-defining strength, CEREC Tessera™ blocks also deliver the tooth-like esthetics of glass ceramics—an essential quality for highly visible restorations. It's the one choice for restorations anywhere in the mouth.

Shade-match with confidence. CEREC Tessera™ blocks simplify shade selection, with true shade blocks that match the final restoration—no specialized selection tools or guesswork required. And the dual crystal structure of CEREC Tessera™ ALD is designed to interact with the visible light spectrum for ideal translucence, fluorescence, and opalescence.

The result is a dynamic esthetic that relies on the properties of light refraction, transmission, and absorption—making CEREC Tessera™ blocks the ideal choice for even the most highly visible esthetic restorations.

“ Margins milled beautifully. The shade worked out nicely for this case! No adjustments were needed. ”

Shivi Gupta, DDS

SUPER-FAST PROCESSING

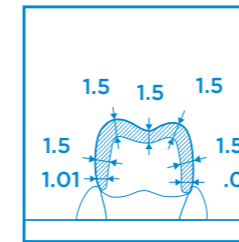
CEREC Tessera™ blocks enable unprecedented processing speed for greater patient satisfaction and a more productive practice.

1. Simplify shade selection with tooth-colored blocks.
2. Design restoration using guidelines.
3. Grind restoration using your preferred CEREC milling machine.
4. Apply stain (optional) and glaze (spray or paste). Increase speed by blocking intaglio surface with moldable silicone.
5. Fire in preheated furnace: 4'30" in a CEREC SpeedFire. 9'35"-12'35" in a conventional furnace.
6. Cement.

WITH SIMPLE SHADE SELECTION, FAST FIRING, FAST COOLING, AND SIMPLIFIED PROCESSING, CEREC TESSERA™ BLOCKS CAN SAVE UP TO **44% TOTAL PROCESSING TIME.**

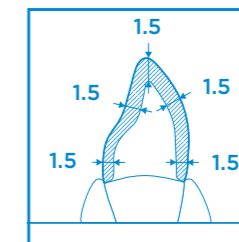
PREP GUIDELINES

Minimum Wall Thickness (Conventional Cementation with RMGI Cements*)



Posterior crowns

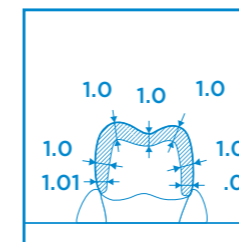
*Taper between 4° and 8° minimum coronal length: 4.0 mm round internal line angles



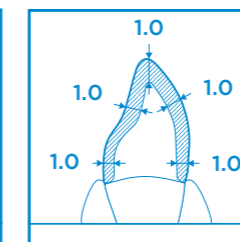
Anterior crowns

*Taper between 4° and 8° minimum coronal length: 4.0 mm round internal line angles

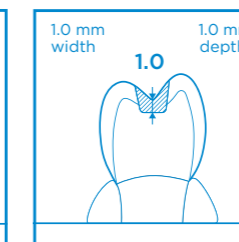
Minimum Wall Thickness (Adhesive Bonding)



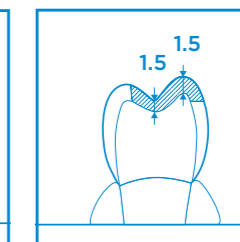
Posterior crowns



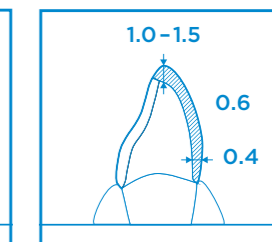
Anterior crowns



Inlays



Onlays



Veneers

Full Crowns

- SHOULDER/CHAMFER (no bevel)
- Conventional cementation: 1.5 mm occlusal/axial reduction
- Adhesive bonding: 1.0 mm occlusal/axial reduction
- Wall angles: 4° to 8° taper with round internal line angles

Inlays/Onlays

- CONVENTIONAL inlay/onlay design
- 1.5 mm to 2.0 mm occlusal/incisal reduction
- Cavity wall angles 5° to 6° w/ long axis
- No undercuts or sharp edges

Veneers

- CHAMFER or ROUNDED SHOULDER
- 0.6 mm labial/0.4 mm incisal edge
- 1.0 mm to 1.5 mm labiolingual incisal angle reduction (prep margins should be in enamel)
- Conceal proximal margins and avoid proximal/gingival undercuts

Dentsply Sirona CAD/CAM Equipment for Efficient, Effective Restorations.

CEREC Primescan

Speed, simplicity, and accuracy for high-resolution digital impressions.

CEREC Primemill

Quality, speed, convenience, and versatility for outstanding margins and surface details, whether milling glass ceramic or zirconia.

CEREC SpeedFire

Super-fast firing, with the ability to perform even zirconia restorations at chairside.



DENTSPLY SIRONA CALIBRA CEMENTS:
OPTIMIZED PERFORMANCE WITH SIMPLIFIED CLEANUP

CEREC Tessera™ CAD/CAM Blocks Ordering Information



Shades (C14, 4PC/ST)	SKU
HT, A2	5365431215
HT, A3	5365431225
MT, A1	5365431505
MT, A2	5365431515
MT, A3	5365431525
MT, A3.5	5365431535
MT, B1	5365431555
MT, C1	5365431595
MT, D2	5365431635
MT/LT, BL2	5365431675

Kits	SKU
CEREC Tessera Block Starter Kit	5365431215

2 each: A1 (MT), A2 (MT & HT), A3 (MT & HT), A3.5 (MT). Honeycomb & firing pads, investment pins, overglaze & glaze liquid, stain/glaze brushes, moldable silicone, diamond-coated tweezers, glaze liquid

Glaze Accessories	SKU
Dentsply Sirona universal spray glaze with fluorescent	5368273100
Moldable silicone refill (2 pack)	5365490112
Universal stain and glaze liquid (15 ml)	601315
DS universal overglaze - high fluorescent (5 g)	605542

Firing Accessories	SKU
CEREC SpeedFire honeycomb tray	5365490110
Firing pad small (3 pcs)	5365901212
Investment pin refill 6 pack (4 Lg; 2 Sm)	5365490111

For more information, contact your Dentsply Sirona representative or visit www.dentsplysirona.com