SDI | STELA

» The combination of Stela Primer and the self-curing Stela restorative generates **low polymerization stress**, which enables this bulk-fill composite system to create a **gap-free** bonding interface. «

PROF DR SALVATORE SAURO
Professor of Dental Biomaterials and Minimally Invasive Dentistry - University CEU Cardenal Herrera - Valencia - Spain
Editorial board member - Dental Materials Journal - Elsevier

THE FUTURE OF COMPOSITES

- UNLIMITED DEPTH OF CURE
- GAP FREE INTERFACE
- LOW POLYMERIZATION STRESS
- 2 SIMPLE STEPS

DA RESEARCH AWARD 2024

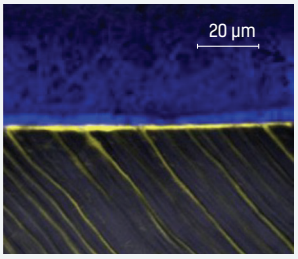
2023 REALITY Four Star Award 4.3

DENTAL ADVISOR ++++

STELA AT A GLANCE

GAP-FREE INTERFACE

Stela features innovative technology that enables a gap-free interface. Unlike standard light cured composites, Stela polymerization is accelerated along the restoration interface. This enables a gap free interface, reducing post operative sensitivity and the risk of premature failure.



STELA BONDING INTERFACE (SELF ETCH)

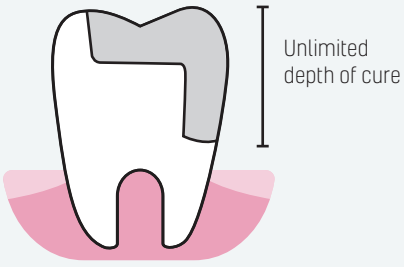
A confocal micrograph of a **gap-free Stela-dentine interface**, using the self etch Stela Primer.

Note the penetration depth of Stela Primer (yellow) within the dentine tubules.

Pre-test failure rate: 0%

UNLIMITED DEPTH OF CURE

Stela is a new generation composite that will self cure to an unlimited depth. This allows full cure certainty for all restorations.



CHAMELEON ESTHETICS

Cavity prepared and ready to be isolated with rubber dam

Final aspect after finishing and polishing

Images courtesy of Prof Dr Rocio Lazo

Great for a wide range of clinical indications:

- Class I, II, III and V
- Core build-ups
- Base or liner
- Sealing endodontic access cavities

HIGH STRENGTH

Stela has an impressive combination of compressive and flexural strength. This is the result of the initiator system that starts a snap set fast cure to convert monomers into polymer chains.

COMPRESSIVE STRENGTH

331 MPa

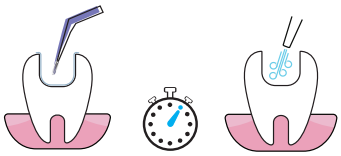
FLEXURAL STRENGTH

143 MPa

15 SECOND PREPARATION IN JUST 2 SIMPLE STEPS

While traditional composite systems can take up to 120 seconds to prepare, Stela restorations are ready for placement in just 15 seconds. With Stela, clinicians can benefit from reduced in-chair time and a simplified protocol.

STELA PRIMER



Prime cavity and margins

Wait 5 sec

Dry for 2-3 seconds

Steps	Time
2	15 sec

Stela: straight to placement in 15 seconds

Place Stela in a single increment, covering margins

WHAT IS STELA?

Stela is an **innovative high-performance self-cure composite**. Stela offers an **unlimited depth of cure** and **low-stress** polymerization with a **gap-free interface**. There is no need to acid etch or light cure.

Stela achieves its ground-breaking properties through a tailored **combination of BPA-free resin monomers**, optimized ***ionglass™*** fillers (SDI's bioactive proprietary hybrid glass), and specially surface-modified **amorphous silica**. Stela's outstanding mechanical properties come from a **rapid curing reaction**. The Stela monomers form polymeric chains and, simultaneously, these chains are rapidly and densely cross-linked to each other, forming a complex web that strongly binds the ***ionglass™*** filler and the amorphous silica, resulting in a strong and resilient restorative material.

The Stela snap set fast cure is due to an **innovative hydroperoxide-based initiation system that is free of tertiary amine**. This ensures fast-setting characteristics, good color stability and an excellent conversion rate.

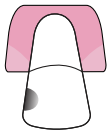
Once cured, Stela's matrix delivers consistent and reliable **strength and durability for all restorations**. The simple two step process minimizes operator errors and patient sensitivity with **no etch or curing lights required**. Stela is the solution for all your clinical needs.

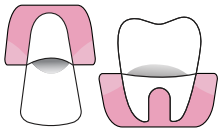
Stela is available in two delivery systems:
Stela Capsule and Stela Automix syringe.

INDICATIONS


Class I


Class II


Class III


Class V


Core build-ups


Base or liner


Sealing endodontic access cavities where light cannot access

SUPERIOR HANDLING

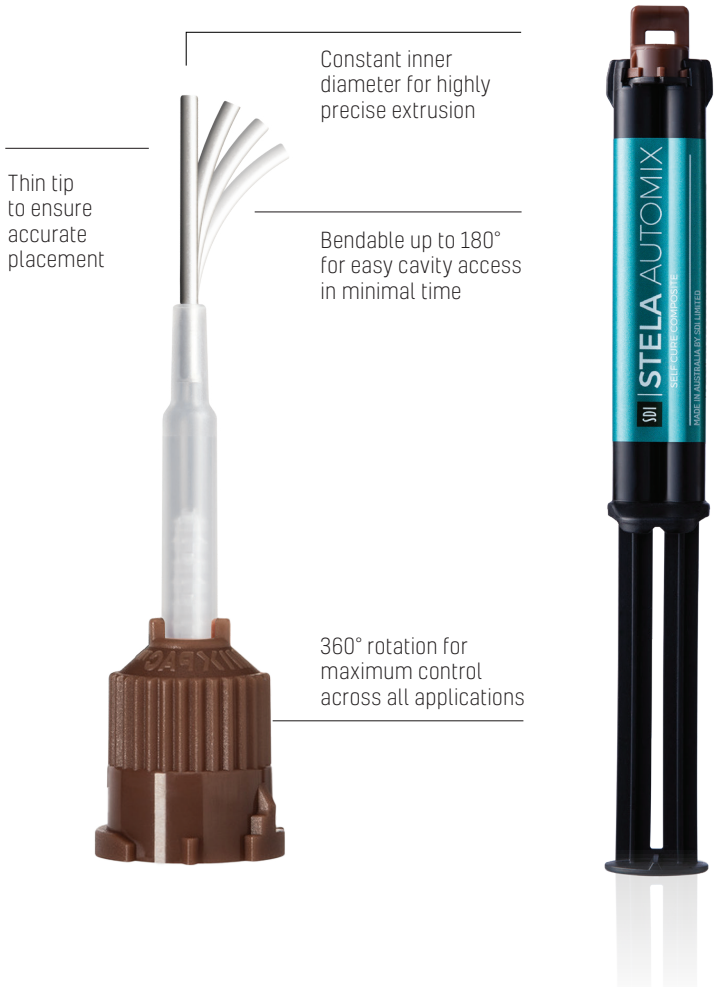
SUPERIOR HANDLING

Stela offers **two handling options**, both of which have been formulated to give you outstanding control compared to other leading restoratives.

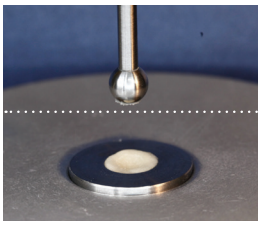
Stela Automix syringe includes rotating and bendable metal tips. This allows **precise extrusion in the most hard-to-access places**.

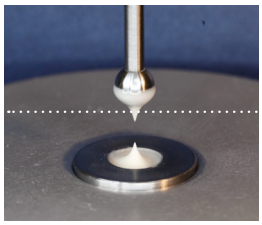
» In challenging scenarios, such as distal carious lesions, the Automix bendable metallic tip becomes an extremely advantageous asset. «

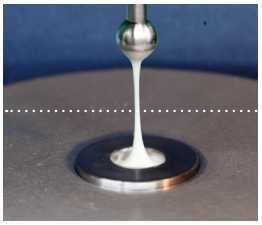
PROF DR ERALDO PESARESSI
PhD in Medical Science
Research associate at the University of San Martin de Porres - Lima - Peru

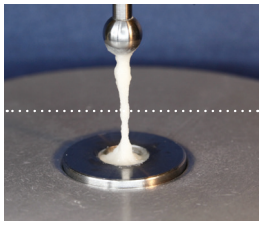


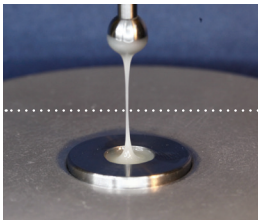
VISCOSITY COMPARISON

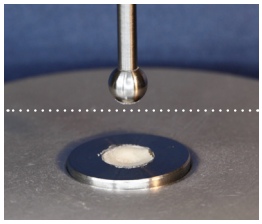

Stela Capsule


Stela Automix


Equia Forte HT (GC)*


Cention Forte (Ivoclar)*


Filtek Bulk Fill Flowable (3M)*


Surefil One (Dentsply Sirona)*

*Not a registered trademark of SDI.

FASTER, SIMPLER RESTORATIONS

UNLIMITED BULK FILL WITH CERTAINTY

Composite restorations fail for a variety of reasons, including uncured material in deep areas, which may cause sensitivity. Stela will self-cure at all depths, thereby eliminating any curing uncertainty.

» Stela offers excellent working time and is very easy to manipulate. «

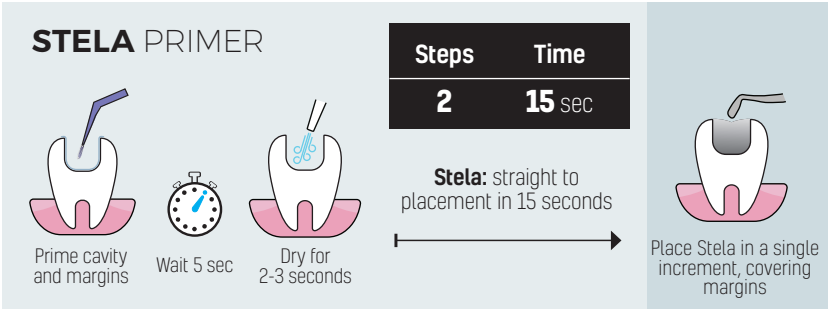
PROF DR ALESSANDRO LOGUERCIO
DDS, Ms, PhD, Professor at the State University of Ponta Grossa, Brazil

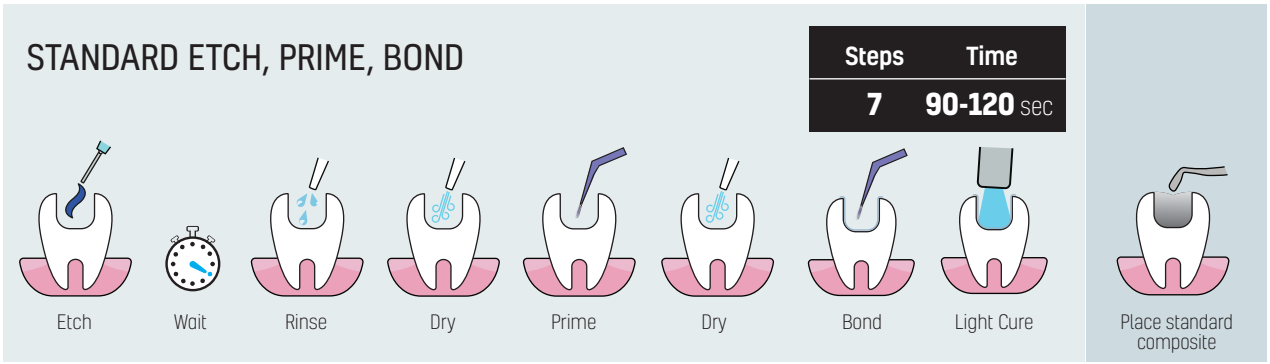
FEWER STEPS, FEWER FAILURES

Stela Primer revolutionizes the etch, prime and bond system, while delivering a better bond strength.

While other etch, prime and bond systems require up to 7 steps and 90-120 seconds to complete, the Stela Primer system is complete in only two steps and 15 seconds. Fewer steps means fewer opportunities for errors and longer lasting restorations.

Reduce your in-chair time and eliminate potential technique sensitivity with the simplified Stela technique.





GAP-FREE INTERFACE

STELA CURES FROM THE MARGINS, NOT FROM THE LED CURING LIGHT

Light cure composite polymerization begins in the area closest to the light source, before progressing deeper into the restoration.[1,3] The resulting **polymerization shrinkage** pulls the restorative from the cavity walls and **creates micro gaps**.[2]

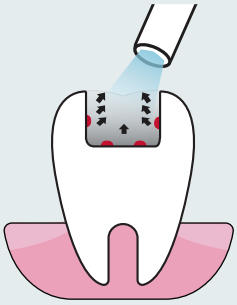
These gaps can frequently cause post-operative sensitivity, marginal leakage with staining, and recurrent caries.[1,2,3]

Stela's self-cure polymerization begins from the applied Stela Primer on the cavity walls, as the primer contains a catalyst. This polymerization **sequence microscopically pulls the restorative towards the cavity** - and not away from it, providing you **with gap-free restorations** every time **reducing the risk of sensitivity and premature failure**.

1. Hamdi Hosni Hamama. Recent advances in posterior resin composite restorations in Applications of Nanocomposite Materials in Dentistry, 2019.
2. S.R. Schricker. Composite resin polymerization and relevant parameters in Orthodontic Applications of Biomaterials, 2017.
3. Gary S. Berkowitz et al. Postoperative Hypersensitivity and Its Relationship to Preparation Variables in Class I Resin-Based Composite Restorations: Findings from the Practitioners Engaged in Applied Research and Learning (PEARL) Network. Part 1. Compend Contin Educ Dent. 2013 Mar; 34(3): e44-e52.

LIGHT CURE POLYMERISATION VS STELA POLYMERISATION

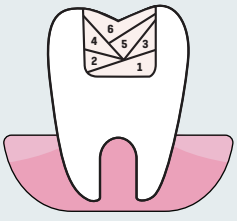
✗ **MARGINAL GAPS:**
LED polymerization results in pull-stress along the deepest margins, leading to micro gaps.



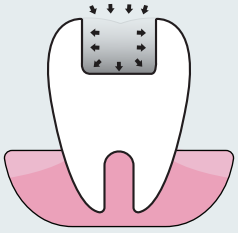
✗ **UNCURED COMPOSITE:**
Composites cannot self cure. If a restoration is angled or difficult to access, the uncured composite may prematurely fail.

✗ **SENSITIVITY:**
Uncured composite, micro gaps, multi-step techniques, and prolonged in-chair time put patients at a greater risk of postoperative sensitivity.

✗ **DEPTH LIMIT:**
Most composites are limited to 2mm depth of cure. Deeper restorations require additional time.



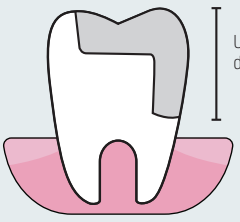
✔ **LOW STRESS CURING:**
Stela paste polymerizes faster along the walls when contacting with Stela Primer. This polymerization sequence provides a gap-free restoration.



✔ **ZERO LED CURING COMPLICATIONS:**
Without a collimated beam, many curing lights are limited in their ability to fully cure composite in deep cavities and large restorations. Stela eliminates the need for LED curing and the potential for uncured resin, sensitivity, and premature failure.

✔ **REDUCED TECHNIQUE ERRORS:**
With fewer steps, there is less chance of contamination and operator errors, providing you more clinical certainty.

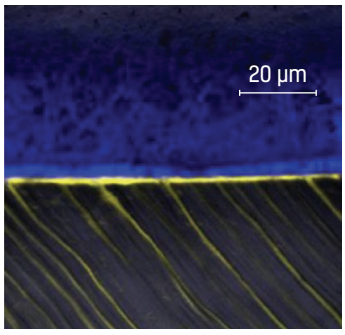
✔ **UNLIMITED DEPTH OF CURE:**
Stela is a new generation of composites that will self cure to an unlimited depth. This gives you full cure certainty for all restorations.



A STRONGER BOND WITHOUT GAPS

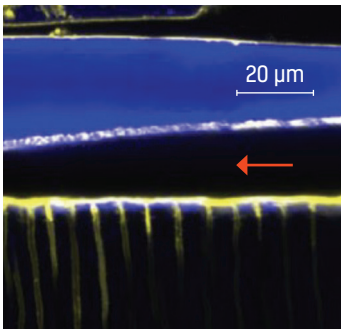
STUDY: NO INTERFACE GAPS

An external study demonstrated Stela's high bond strength to dentin. Micrograph imagery showed interfaces without defects or gaps. The study noted that **"Filtek One Bulk-Fill presented the lowest results, with resin dentin interfaces characterized by gaps and porosities."** In contrast, **Stela "...exhibited better interfacial adaptation and greater bonding performance compared to universal and bulk-fill composites."**



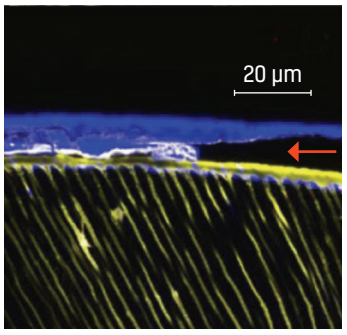
STELA BONDING INTERFACE (SELF ETCH)

A confocal micrograph of a **gap-free Stela-dentin interface**, using the self etch Stela Primer.
Note the penetration depth of Stela Primer (yellow) within the dentin tubules.
Pre-test failure rate: 0%



FILTEK ONE BULK FILL (SELF ETCH)

A confocal micrograph showing the dentin interface of **Filtek One Bulk-Fill (3M ESPE), in self etch mode.** The red arrow shows the **presence of gaps.**
Pre-test failure rate: 75%



FILTEK ONE BULK FILL (ETCH & RINSE)

A confocal micrograph showing the dentin interface of **Filtek One Bulk-Fill (3M ESPE), in etch & rinse mode.** The red arrow shows the **presence of gaps.**
Pre-test failure rate: 10%

SOURCE: SAURO, Salvatore et al. 2022. Microtensile bond strength and interfacial adaptation of two bulk-fill composites compared to a conventional composite restorative system

» [Stela] performs as well as market-leading universal and bulk-fill composites bonded to dentin with universal adhesives. Moreover, in this study, [Stela] exhibited better interfacial adaptation and greater bonding performance compared to universal and bulk-fill composites. «

PAULA MACIEL PIRES & ALINE DE ALMEIDA NEVES (Federal University of Rio de Janeiro)
FILIPPO SEMENZA & SALVATORE SAURO (Cardenal Herrera CEU University)
IRINA MAKEEVA (Sechenov University)
International Association for Dental Research, Asia, 2022.

Standard etch-prime-bond-cure combinations are time-consuming and technique sensitive, introducing the potential for contamination and errors, leading to sensitivity and premature failure.

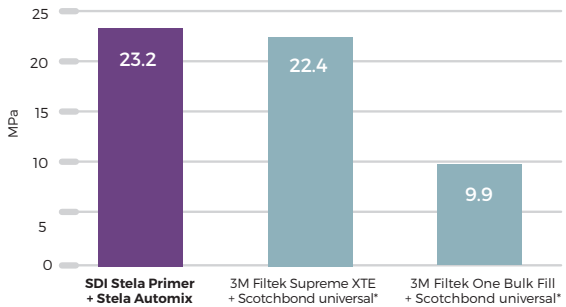
The Stela Primer was developed in tandem with Stela Capsule and Stela Automix syringe. Together, the formulations combine to deliver an **increased bond strength** compared to standard etch-prime-bond products~.

Both Stela Primer and Stela composite have the **MDP monomer**, ensuring a strong chemical bond, free of gaps, with better sealing **for durability and no sensitivity**. Stela is also BPA and HEMA free.

Stela Primer **tags** into the dentinal tubules, forming **micromechanical retentions (secondary bond)**.

Stela Primer then chemically bonds to Stela paste (primary bond), forming a true adhesion between atoms or molecules of Primer and composite.

MICRONTENSILE BOND STRENGTH RESULTS (MPa)



~SAURO, Salvatore et al. 2022. Microtensile bond strength and interfacial adaptation of two bulk-fill composites compared to a conventional composite restorative system.
* Not SDI trademarks

TRULY AN AMALGAM ALTERNATIVE

AN "AMALGAM ALTERNATIVE" IS A BOLD CLAIM. IS IT TRUE?

Many products claim to be an amalgam alternative, but fail comparisons based on strength, marginal sealing and depth of cure. Stela has been formulated specifically as a restorative that can be used as an **amalgam alternative**, with the advantage of **having a lifelike aesthetic result in a cavity without mechanical retentions**.

Stela is available **in a universal shade** that blends to surrounding tooth areas **with a chameleon effect**.

SNAPSET STRENGTH IN MINUTES

Restoratives harden over time until they reach their final strength. Stela is formulated to reach a high strength as quickly as possible, allowing finishing and polishing in just 4 minutes. After this initial set, Stela becomes a strong composite that easily exceeds the properties of alternatives.

While **amalgam achieves only 37%** of its final strength in 60 minutes, **Stela achieves 90% strength** in the same 60 minute period.

Stela's snapset strength reduces premature failures during the critical first 24 hour period, decreasing patient returns and re-work.

Stela also offers great value. **One capsule of Stela has more volume than a 3-spill amalgam capsule**, which is enough for large restorations.

» SDI founder Jeff Cheetham has manufactured more amalgam products than almost anyone else in the world. According to Jeff "Amalgam is so strong and easy to place. No etching, no layering, no light cure. That is the basis of Stela. The world is rapidly moving away from amalgam and that is why we mobilized our 50 years of amalgam knowledge behind developing Stela. Stela truly is the new amalgam alternative." «

JEFFERY CHEETHAM, SDI CHAIRMAN AND FOUNDER
Receiver of the Medal of the Order of Australia (OAM), awarded for service worthy of particular recognition

COMPARISON TO AMALGAM

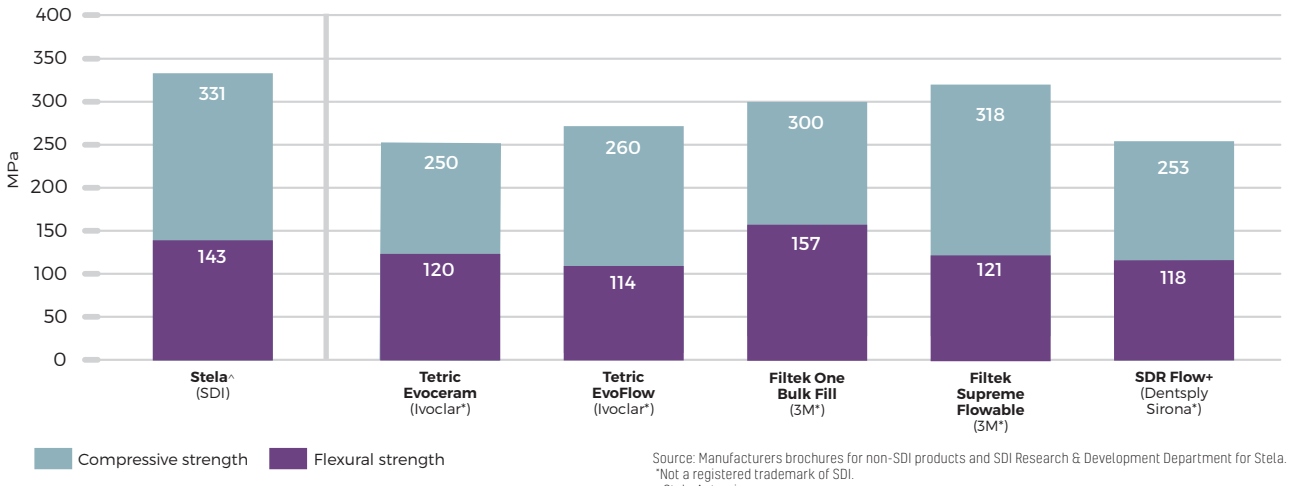
	AMALGAM	STELA
Mercury	Contains mercury	Mercury free
Technique sensitivity	Higher	Lower
Tooth preparation	Retentive cavity	Cavity without mechanical retentions
Depth of cure	Unlimited	Unlimited
Aesthetics	Poor	Very good
Radiopacity	Very high	Very high
Dispensing system	Capsule	Capsule or Automix syringe
Working time	Up to 10 min 15 sec (condensing and carving)	≥ 1 min 30 sec (inserting into the cavity)
Snapset strength	~90% strength after 24 hours	~90% strength after 60 minutes
Finishing and polishing	Requires a second appointment	Within same appointment

THE STRONGER RESTORATIVE

STRONGER THAN COMPOSITES

The strength of a restorative should always be judged on its combination of **compressive and flexural properties**, to resist occlusal forces and to **prevent fractures** during function.

Stela has the perfect balance of two strengths, outperforming most other composite products. Stela **requires fewer steps than traditional composites**. This simplicity and strength **deliver long term integrity** for your restorations.

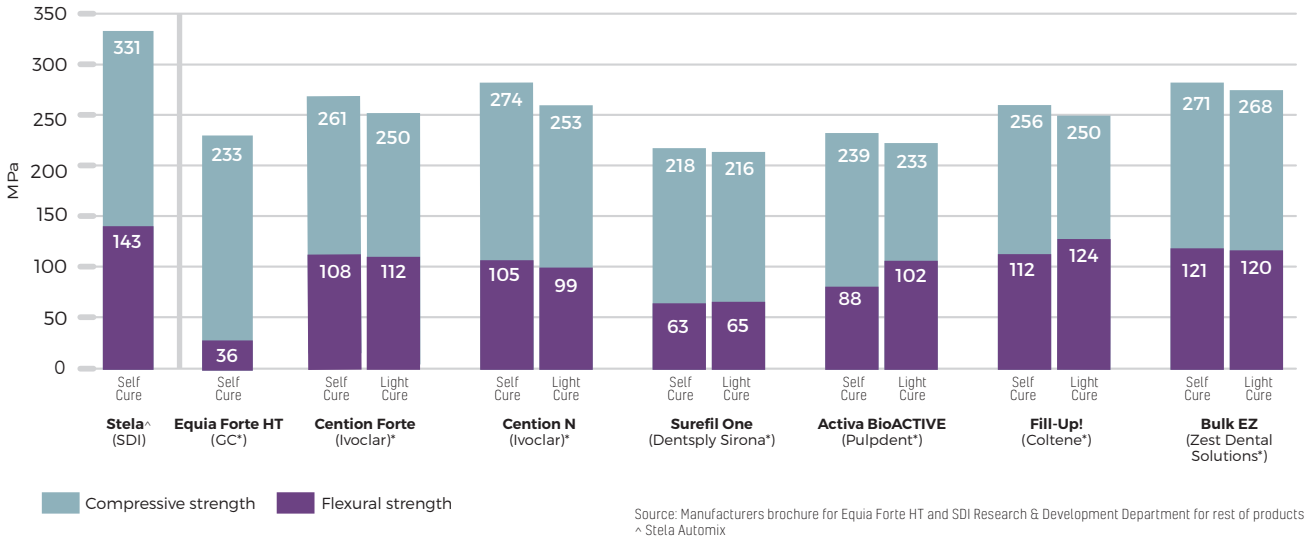


Source: Manufacturers brochures for non-SDI products and SDI Research & Development Department for Stela.
*Not a registered trademark of SDI.
^ Stela Automix

BEST IN CLASS

Stela is **the strongest self cure composite** available.

There are several posterior restoratives. However, when comparing their strength, many have weaker properties that are closer to glass ionomers than composites.



Source: Manufacturers brochure for Equia Forte HT and SDI Research & Development Department for rest of products
^ Stela Automix

FASTER WITH CHAMELEON AESTHETICS

A 50% FASTER SELF CURE

Stela has a **faster self cure setting time** than two other leading restoratives. Stela Capsule and Stela Automix syringe both offer a comfortable working time of ≥ 1 minute and 30 seconds. Restorations are ready for finishing and polishing in 4 minutes from the start of the mixing time.

This 50% time saving **increases your treatment efficiency.** Such efficiency is multiplied when restoring multiple cavities consecutively.

Stela
(SDI)

Surefil One
(Dentsply Sirona*)

Cention Forte
(Ivoclar*)

Source: Manufacturers brochures for non-SDI products and SDI Research & Development Department for Stela.
*Not a registered trademark of SDI.

TRANSLUCENCY AND OPACITY

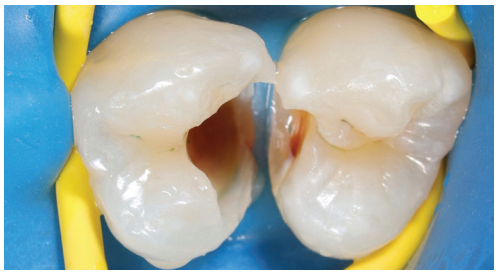
A bulk fill composite generally has opacity limitations to allow light to penetrate more deeply.

Stela does not need a curing light and offers a **balance between translucency and opacity** for most posterior teeth. Its universal shade with chameleon effect blends in with surrounding structures, **blocking stains** like a dentin replacement and sealing edges for a flawless finish that mimics enamel.

Stela offers an **unlimited depth of cure without compromising aesthetics**.

PHOTOS COURTESY OF
PROF DR GONZALO ARANA GORDILO

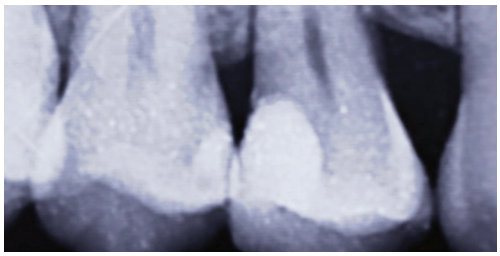
Professor in multiple Colombian universities
International Lecturer in Biomaterials and Dental Aesthetics



Step 1: Cavities prepared

Step 2: First cavity restored and matrix band removed

Step 3: Both restorations completed

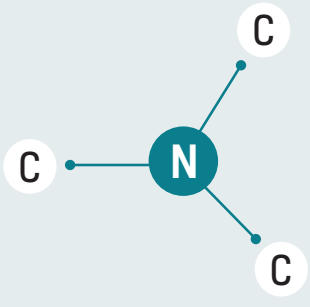


Step 4: Radiographic aspect, showing very high radiopacity to aid diagnosis

NO TERTIARY AMINE FOR IMPROVED COLOR STABILITY

Most self cure composites contain tertiary amine. This additive can contribute to long term shade darkening and the yellowing of restorations.[1,2] Tertiary amine can also reduce the longevity of adhesion to dentin as the composite restoration ages.[2]

Stela has been formulated without tertiary amine. This provides you improved long term aesthetic stability while maintaining bond strength.



1 Andrea Kowalska et al. The Photoinitiators Used in Resin Based Dental Composite - A Review and Future Perspectives, 2021.
2 Andrea Kowalska et al. Can TPO as Photoinitiator Replace "Golden Mean" Camphorquinone and Tertiary Amines in Dental Composites?, 2022.

CLINICAL PHOTOS

» I used Stela with different protocols, including directly, without pulp protection and it **did not cause sensitivity**. Thank you, SDI, for sharing these wonderful developments in our profession! «

Cavity prepared and ready to be isolated with rubber dam

Final aspect after finishing and polishing

PROF DR GONZALO ARANA GORDILO
Professor in multiple Colombian universities
International Lecturer in Biomaterials and Dental Aesthetics

» The application of Stela is **very easy** and after 4 minutes the restoration had the same shade as the tooth. **Great polishability! Perfect product!** «

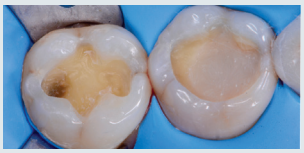
Cavity prepared and ready to be isolated with rubber dam

Final aspect after finishing and polishing

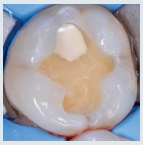
PROF DR ROCIO LAZO
Professor of the Specialization Program in Paediatric Dentistry at the Scientific University of the South - Lima - Peru
Co-author of three books on Paediatric Dentistry and several research papers

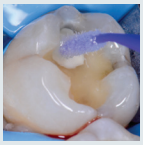
DR. JOSÉ CEDILLO
Fellow and Diplomat Of The World Congress of Minimally Invasive Dentistry - Valencia

First and second lower molars with defective composite restorations

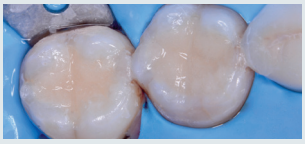


Caries removed and large Class I cavities prepared





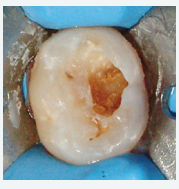
Application of calcium hydroxide to protect the deepest area of one cavity, followed by application of Stela Primer



Restoration complete

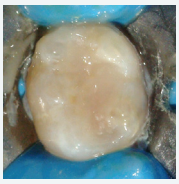
DR LUIS MARTAGON
Mexico

Initial Isolation



Cavity Preparation (partial remotion)

Cavity Preparation



Immediate Final Restoration

Pre treatment

Final

CELEBRATING THE 50TH ANNIVERSARY OF SDI

Drawing on 50 years of dental research experience, SDI's ***ionglass™*** filler is manufactured in Australia by our glass experts.

The ***ionglass™*** technology mimics the natural tooth structure, guaranteeing restorations will withstand long term mastication forces and patients will be satisfied with the treatment.

Stela contains ***ionglass™*** filler, a **bioactive proprietary hybrid glass** made of a unique blend of different sizes of ultrafine highly reactive particles.

ionglass™
BIOMIMETIC FORMULA

50 YEARS OF DENTISTRY SCIENCE

F Ca Sr

FLUORIDE, CALCIUM AND STRONTIUM

Stela contains fluoride, calcium and strontium for enhanced **biomimetic and bioactive properties**, adding an extra layer of protection during acid challenge.

PARTICLE SIZE & DISTRIBUTION

Composite fillers can be very different from each other. **High strength, low abrasion and excellent polishability** depend not only on the size of the glass filler particles, but also on the **concentration of each size** in the formulation.

In a constant search for innovation, SDI scientists improved the distribution of different sizes of Stela fillers resulting in **first-class mechanical properties** and **fast and long lasting polishability**, associated with **very low wear**.

PHYSICAL PROPERTY	STELA CAPSULE*	STELA AUTOMIX*
Compressive strength (MPa) (24hrs, Dark Cure)	332.7	330.7
Compressive modulus (GPa) (24hrs, Dark Cure)	5.3	4.0
Flexural strength (MPa) (24hrs, Dark Cure)	133.4	142.8
Flexural modulus (GPa) (24hrs, Dark Cure)	14.6	8.6
Surface hardness (VHN) (24hrs, Dark Cure)	71.0	45.4
Filler particle size distribution (µm)	Fluoro-alumino-silicate glass: median particle size 4.0 µm (distribution range approx. 2 to 8 µm)	Fluoro-alumino-silicate glass: mean particle size 4.0 µm (distribution range approx. 2 to 8 µm) Barium-alumino-borosilicate glass: mean particle size 2.8 µm (distribution range approx. 2 to 5 µm)
Filler loading	76.8 wt% (55.4 vol%)	61.2 wt% (36.4 vol%)

*Average

Source: SDI Research & Development Department

MULTI-YEAR RESEARCH PARTNERSHIP

Stela technology is the outstanding result of a **partnership between SDI scientists** – with half a century of experience developing dental materials – **and engineers from the University of New South Wales (UNSW), the University of Sydney, and the University of Wollongong**. These three world leading Australian universities have over 170 years of combined experience researching high-performance industrial composites, among other materials. This collaboration created Stela, a high-performance dental composite.

The SDI and UNSW partnership that led to the Stela breakthrough technology also produced multiple scientific journal and conference papers.^

^ This project received grant funding from the Australian Government through the CRC Program

» The scientific collaboration between interdisciplinary composites researchers at UNSW and SDI scientists became the commercialization vehicle for the development of advanced biomaterials and technologies. «

PROF GANGADHARA PRUSTY
Director, ARC Training Centre for Automated Manufacture of Advanced Composites, School of Mechanical & Manufacturing Engineering, UNSW SYDNEY, Australia

» The SDI team, working closely with our multifunctional composites team at UNSW, has set the stage for launching a new frontier of restorative composites. «

DR RAJU
Centre Manager, ARC Training Centre for Automated Manufacture of Advanced Composites, School of Mechanical & Manufacturing Engineering, UNSW SYDNEY, Australia

» It was a lifetime opportunity for me to work on UNSW-SDI collaborative research on dental composites, enabling ground-breaking science at UNSW to be translated to product manufacturing at SDI. «

MR JERRIN THADATHIL VARGHESE
School of Mechanical & Manufacturing Engineering, UNSW SYDNEY, Australia

The last 10 years of restorative development has delivered only minor improvements.

This is because new restoratives focus only on the material and neglect the surrounding steps in the restorative process.

Stela is the **complete end-to-end composite system** that delivers **easier and stronger gap-free restorations**. This provides you with clinical certainty every time.

THE UNIVERSITY OF SYDNEY

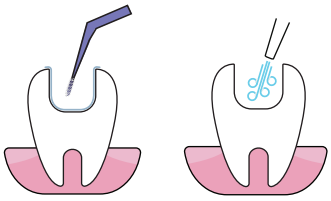
UNSW THE UNIVERSITY OF NEW SOUTH WALES SYDNEY • AUSTRALIA

UNIVERSITY OF WOLLONGONG AUSTRALIA

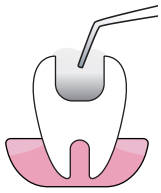
BESTECH Sensors & Teaching Equipment

AusIndustry

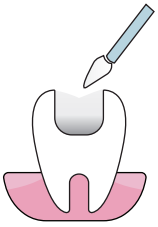
INSTRUCTIONS



1. Using a micro applicator (Points, SDI Limited), apply Stela Primer onto prepared cavity surfaces and margins, leaving for 5 seconds, before gently blowing with air for 2-3 seconds.



2. Using either the capsule (activated for 10 seconds in a mixer e.g. Ultramat 2, SDI Limited) or the Automix syringe, extrude Stela into the cavity, filling the entire cavity in a single step. Slightly overfill to ensure good contact with the Stela Primer at margins.



3. Stela sets 4 minutes after extrusion (or capsule mixing). Wipe inhibition layer and finish with burs and water spray. Optional: polish with Polishing Paste (SDI Limited).

Note: Stela capsule may discharge some residual powder during the initial applicator click. This powder is inert, safe and does not affect clinical performance.

ORDER DETAILS

STELA AUTOMIX INTRO KIT

Stela Automix Intro Kit 1 Stela Automix 8g syringe 1 Stela Primer 5mL bottle 15 mixing tips 15 Superfine Points micro applicators	8640002

STELA CAPSULE INTRO KIT

Stela Capsule Intro Kit 10 Stela Capsules 1 Stela Primer 5mL bottle 15 Superfine Points micro applicators	8640004

STELA AUTOMIX REFILL

Stela Syringe Refill 1 Stela Automix 8g syringe 15 mixing tips	8640001

STELA CAPSULE REFILL

Stela Capsule Refill 50 Stela Capsules	8640003

STELA PRIMER REFILL

Stela Primer Refill 1 Stela Primer 5mL bottle	8640006

MIXING TIPS BULK REFILL

Stela Mixing Tips 50 mixing tips	8640005

CLINICAL TIPS

Would you like to whiten 150% faster?

Scan QR code to see Pola Rapid.

Looking for a traditional bulk fill resin that is packable and non-sticky to optimize handling? **Scan QR code to see Aura Bulk Fill.**

Do you prefer layering technique with Logical Shade Matching technology? **Scan QR code to see Luna 2.**

Are you looking for a reliable universal adhesive with MDP monomer and fluoride release that is HEMA free and BPA free? **Scan QR code to see Zipbond.**

STELA AT A GLANCE

SELF CURE FLOWABLE COMPOSITE
All desired characteristics for easy placement and excellent adaptation

MITIGATES POLYMERIZATION STRESS FOR A GAP-FREE INTERFACE
Cures from the walls and not from the free surface, for a stable gap-free bonding interface

SELF CURE FOR UNLIMITED DEPTH OF CURE
with high degree of conversion for optimized mechanical properties

STUDY: HIGHER BOND STRENGTH THAN A LEADING UNIVERSAL ADHESIVE. SCRUBBING NOT REQUIRED
SOURCE: SAURO, Salvatore. Microtensile bond strength and interfacial adaptation of two bulk-fill composites compared to a conventional composite restorative system. 2022

CHOICE OF CAPSULE OR AUTOMIX SYRINGE
to cover every clinical application with the best handling

HIGH FLEXURAL STRENGTH
to resist bending forces and protect cusps

HIGH COMPRESSIVE STRENGTH & HIGH SURFACE HARDNESS
to protect teeth against strong occlusal forces

CONTAINS MDP MONOMER AND IS BPA & HEMA FREE
for trustworthy high bond strength to dentin and enamel, and long-lasting restorations

CONTAINS FLUORIDE, CALCIUM AND STRONTIUM
for enhanced bioactive properties during acid challenge

OUTSTANDING RADIOPACITY OF 308% AI*
to aid diagnosis

VERY LOW WEAR
Only 0.052mm after 200,000 cycles for long lasting polishability**

BALANCED OPACITY
High contrast ratio to block dentinal stains

UNIVERSAL SHADE WITH CHAMELEON EFFECT
to mimic enamel, for good aesthetic results, while reducing inventory

* Source: SDI Research & Development Department
** Source: SDI Research & Development Department, ACTA test 200,000 cycles are equivalent to one year in function

VIEW THE STELA PROCESS

Stela's two step process makes restorations easier than ever. View a step by step video for both automix and capsule systems on Stela webpage under the instructions tab.

SDI

YOUR **OUR**
SMILE. **VISION.**

Paper

MD

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www.sdi.com.au

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BRAZIL 0800 770 1735
FRANCE 00800 0225 5734
GERMANY 0800 100 5759

ITALY 00800 0225 5734
NEW ZEALAND 0800 808 855
SPAIN 00800 0225 5734
UNITED KINGDOM 00800 0225 5734
USA & CANADA 1 800 228 5166