

lojic+

HIGH SILVER, HIGH STRENGTH SPHERICAL AMALGAM

HOCHSILBERHALTIGES SPHÄRISCHES AMALGAM, HOHE DRUCKFESTIGKEIT

AMALGAME SPHÉRIQUE, TRÈS RÉSISTANT, À HAUTE TENUER EN ARGENT
AMALGAMA SFERICA CON ALTO CONTENUTO DI ARGENTO, AD ELEVATA RESISTENZA

AMALGAMA ESFERICA DE ALTO CONTENIDO EN PLATA, MUY RESISTENTE

ALTO TEOR DE PRATA, AMÁLGAMA ESFÉRICO SUPER RESISTENTE

HOOG SILVERGEHALTE, ZEER KRACHTIG, KOGELVORMIG AMALGAAM

KESTÄVÄ PALLomainen AMALGAAMI JOSSA ON KORKEA HOPEAPITOISUUS

ΣΦΑΙΡΙΚΟ ΑΜΑΛΓΑΜΑ ΥΨΗΛΗΣ ΑΝΤΟΧΗΣ ΚΑΙ
ΥΨΗΛΗΣ ΠΕΡΙΕΚΤΙΚΟΤΗΤΑΣ ΣΕ ΑΡΓΥΡΟ

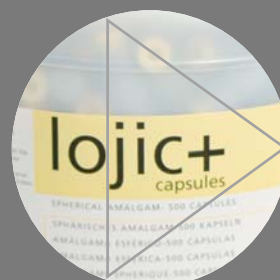
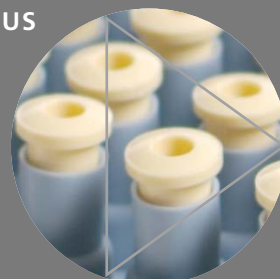
YÜKSEK GÜMÜŞ İÇERIKLI SPHERICAL AMALGAM

VYSOCE PEVNÝ SFÉRICKÝ AMALGÁM S VYSOKÝM OBSAHEM STŘÍBRA

VYSOKÝ OBSAH STRIEBRA, VYSOKÁ PEVNOSTĚ, SFÉRICKÝ AMALGÁM

銀高含有強力球状アマルガム

高銀、高强度球珠型銀汞合金



SDI

high strength
smooth handling
excellent polishability

logic+



Lojic+, the platinum modified, high silver, non-gamma 2 spherical amalgam

Over 60 million successful Lojic+ restorations have been placed since its release worldwide in 1988.

Optimal handling characteristics

Lojic+ mixes homogeneously, is easy to load into the carrier, condenses well, burnishes and carves nicely ⁽³⁾. The Dental Advisor stated “no marginal ridge fractures were reported upon matrix removal ⁽³⁾.”

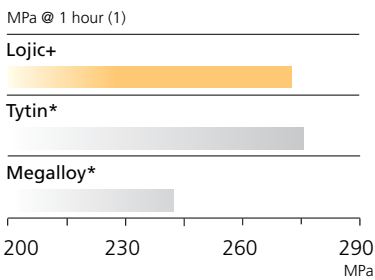
Lojic+ is easier to establish proximal contacts than with other single-composition spherical alloys ⁽⁴⁾.

90% of The Dental Advisor consultants felt the amalgamated mass had the right consistency and that the capsule to capsule consistency was excellent ⁽³⁾.

Physical properties

composition	Ag 60.1%, Sn 28.05%, Cu 11.8%, Pt 0.05%, Hg 42.2%
alloy particle	spherical
compressive strength @ 1 hour	270MPa (39,150psi)
compressive strength @ 24 hours	520MPa (75,400psi)
diametral tensile strength @ 1 hour	35MPa (5,075psi)
diametral tensile strength @ 24 hours	50MPa (7,250psi)
static creep @ 7 days	0.07%
dimensional change @ 24 hours	-1µm/cm

High compressive strength

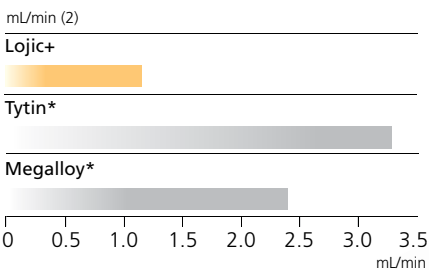


Lojic+'s high compressive strength minimizes the risk of fracturing the restoration. High compressive strength ensures a tough and durable long lasting restoration.

Platinum modified

The addition of platinum improves the compressive and tensile strengths.

Low microleakage



The microleakage for Lojic+ is considerably lower than other spherical alloys. Extensive microleakage has been related to increased post operative sensitivity.⁽²⁾

Choice of capsule systems

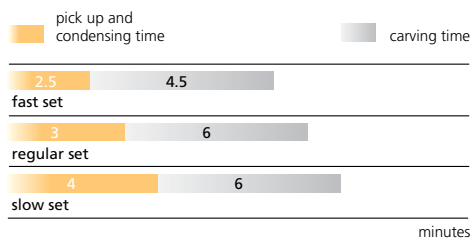
The SDI capsule systems are designed to give consistent and accurate mixes every mix.



conventional capsule

Greater choice of setting times and larger choice of capsule sizes

The working and setting times allow large restorations to be condensed and carved without difficulty.



plunger



Capsules

The plungers denote the spill size:



The rest of the capsule denotes the setting speed:



NOTE: 5 spill only available in regular set.

Lojic+



Boxes of 50 capsules - one spill 400mg alloy

4201404 slow set
4201303 regular set
4201202 fast set

Boxes of 50 capsules - two spill 600mg alloy

4202404 slow set
4202303 regular set
4202202 fast set

Boxes of 50 capsules - three spill 800mg alloy

4203404 slow set
4202303 regular set
4203202 fast set

Boxes of 50 capsules - five spill 1200mg alloy

4205000 regular set

Jars of 500 capsules - one spill 400mg alloy

4221404 slow set
4221303 regular set
4221202 fast set

Jars of 500 capsules - two spill 600mg alloy

4222404 slow set
4222303 regular set
4222202 fast set

Jars of 500 capsules - three spill 800mg alloy

4223404 slow set
4223303 regular set
4223202 fast set

Jars of 500 capsules - five spill 1200mg alloy

4225000 regular set

* Tytin and Megalloy are not the registered trademarks of SDI Limited.

(1) Source-Published and SDI test data.

(2) Mahler, D.B., Bryant, R. W., Microleakage of amalgam alloys: An update, JADA September 1996, Vol. 127: 1351-1356

(3) The Dental Advisor Plus, September/October 1994, Vol. 4, No. 5.

(4) Lt. Col. Roberts, 56-07 Lojic+ Amalgam (Project 98-03), Brooks Airforce Base, United States Airforce Dental Investigation Services.



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