

SDI

LOJIC+

HIGH STRENGTH, HIGH SILVER  
SPHERICAL AMALGAM



# HIGH STRENGTH SMOOTH HANDLING EXCELLENT POLISHABILITY

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

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

**CHOICE OF CAPSULE  
SYSTEMS**

**CHOICE OF CAPSULE SIZES  
AND SETTING TIMES**

**HIGH COMPRESSIVE  
STRENGTH**



## OPTIMAL HANDLING CHARACTERISTICS

Lojic+ mixes homogeneously, is easy to load into the carrier, condenses well, burnishes and carves nicely <sup>[3]</sup>. Dental Advisor stated "no marginal ridge fractures were reported upon matrix removal <sup>[3]</sup>."

Lojic+ is easier to establish proximal contacts than with other single-composition spherical alloys <sup>[4]</sup>.

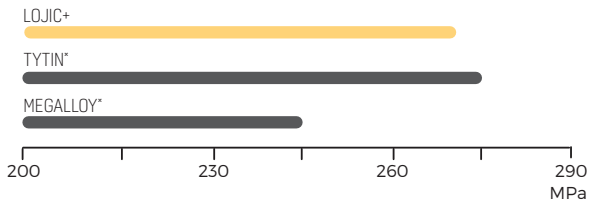
90% of The Dental Advisor consultants felt the amalgamated mass had the right consistency and that the capsule to capsule consistency was excellent <sup>[3]</sup>.

# TOUGH AND DURABLE LONG LASTING RESTORATIONS

## HIGH COMPRESSIVE STRENGTH

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

### COMPRESSIVE STRENGTH @ 1 HOUR <sup>(1)</sup>



## PLATINUM MODIFIED

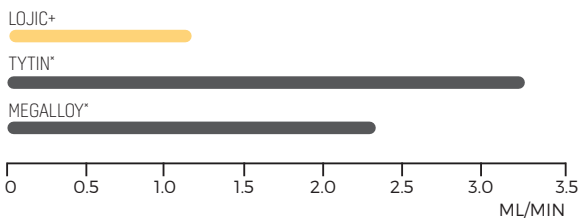
The addition of platinum improves the compressive and tensile strengths.

## LOW MICROLEAKAGE

The microleakage for Lojic+ is considerably lower than other spherical alloys.

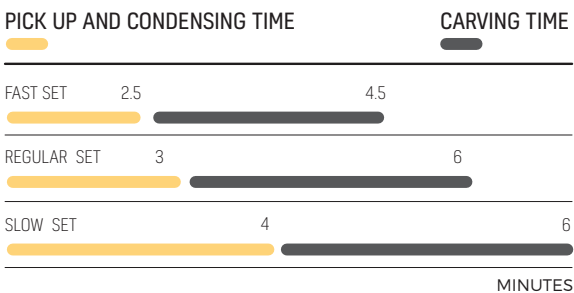
Extensive microleakage has been related to increased post operative sensitivity <sup>(2)</sup>.

### ML/MIN <sup>(2)</sup>



## 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.

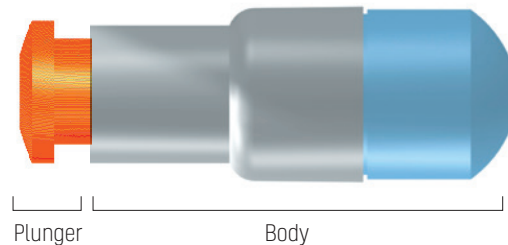


## PHYSICAL PROPERTIES

Composition:	Ag 40%, Sn 31.3%, Cu 28.7%, Hg 47.9%
Alloy Particle:	Spherical and Lathe Cut
Compressive strength @ 1 hour:	225MPa (32,625psi)
Compressive strength @ 24 hours:	510MPa (73,950psi)
Diametral tensile strength @ 1 hour:	22MPa (3,190psi)
Diametral tensile strength @ 24 hours:	54MPa (7,830psi)
Static creep @ 7 days:	0.1%
Dimensional change @ 24 hours:	+2µm/cm

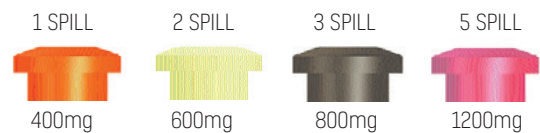
## CAPSULE SYSTEM

The SDI capsule system is designed to give consistent and accurate mixes every mix.

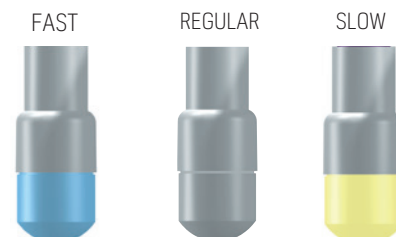


## CONVENTIONAL CAPSULES

The plunger denotes the spill size:



The capsule body denotes the setting speed:



NOTE: 5 Spill only available in regular set.

# ORDER DETAILS



## LOJIC+ CAPSULES

### Boxes of 50 capsules - One Spill 400mg alloy

Slow Set	4201404
Regular Set	4201303
Fast Set	4201202

### Boxes of 50 capsules - Two Spill 600mg alloy

Slow Set	4202404
Regular Set	4202303
Fast Set	4202202

### Boxes of 50 capsules - Three Spill 800mg alloy

Slow Set	4203404
Regular Set	4202303
Fast Set	4203202

### Boxes of 50 capsules - Five Spill 1200mg alloy

Regular Set	4205000
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### Jars of 500 capsules - One Spill 400mg alloy

Slow Set	4221404
Regular Set	4221303
Fast Set	4221202

### Jars of 500 capsules - Two Spill 600mg alloy

Slow Set	4222404
Regular Set	4222303
Fast Set	4222202

### Jars of 500 capsules - Three Spill 800mg alloy

Slow Set	4223404
Regular Set	4223303
Fast Set	4223202

### Jars of 500 capsules - Five Spill 1200mg alloy

Regular Set	4225000
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\* 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.



YOUR SMILE. OUR VISION.



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