

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>.

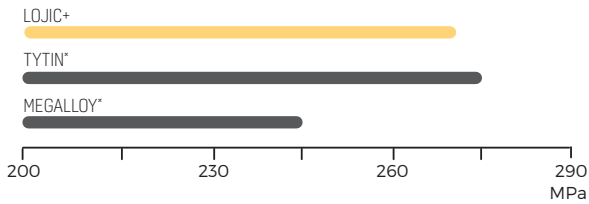
90% of The Dental Advisor consultants felt the amalgamated mass had the right consistency and that the capsule to capsule consistency was excellent <sup>[3]</sup>.

# 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

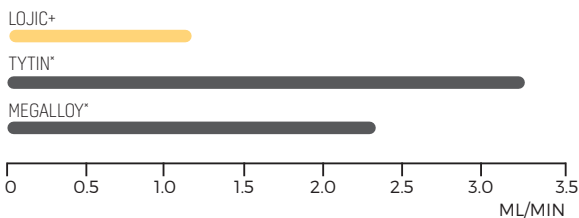
The addition of platinum improves the compressive and tensile strengths.

## LOW MICROLEAKAGE

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

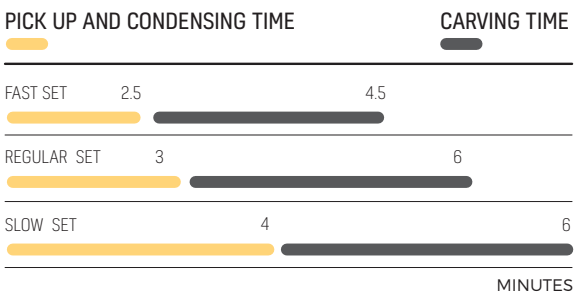
Extensive microleakage has been related to increased post operative sensitivity <sup>(2)</sup>.

### 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.

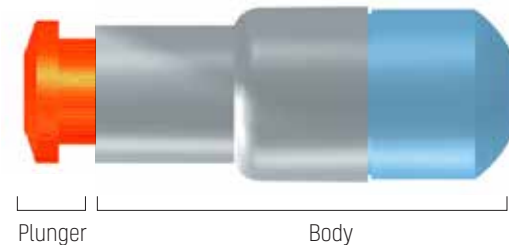


## PHYSICAL PROPERTIES

Composition:	Ag 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:	0.7%
Dimensional change @ 24 hours:	-1µm/cm

## CAPSULE SYSTEM

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



## CONVENTIONAL CAPSULES

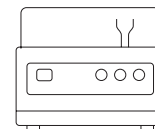
The plunger denotes the spill size:



The capsule body denotes the setting speed:



# ORDER DETAILS



## LOJIC+ CAPSULES

<b>Boxes of 50 capsules - One Spill 400mg alloy</b>	
Regular Set	4201303
<b>Boxes of 50 capsules - Two Spill 600mg alloy</b>	
Regular Set	4202303
Fast Set	4202202
<b>Boxes of 50 capsules - Three Spill 800mg alloy</b>	
Regular Set	4202303
<b>Jars of 500 capsules - One Spill 400mg alloy</b>	
Slow Set	4221404
Regular Set	4221303
Fast Set	4221202
<b>Jars of 500 capsules - Two Spill 600mg alloy</b>	
Regular Set	4222303
Fast Set	4222202
<b>Jars of 500 capsules - Three Spill 800mg alloy</b>	
Slow Set	4223404

## EQUIPMENT

<b>Ultramat 2</b> (USA - includes power cord for USA)	5546045
<b>Ultramat 2</b> (All countries - includes power cord for the region the product is shipped to)	5546052
<b>Ultramat S</b> (All countries - includes power cord for the region the product is shipped to)	5546058

## MIXING TIMES

<b>Ultramat S</b>	
Frequency	Fixed (4600 rpm)
1, 2 & 3 Spill	6 ± 1 sec
5 Spill	6 ± 1 sec
<b>Ultramat 2</b>	
Frequency	Fixed (4550 rpm)
1, 2 & 3 Spill	6 ± 1 sec
5 Spill	6 ± 1 sec

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[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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