

**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>."

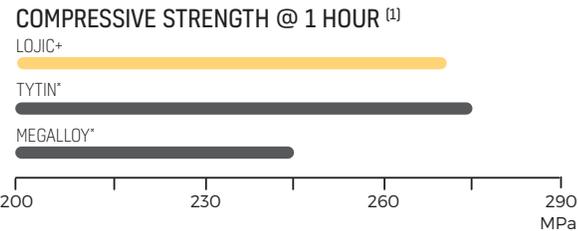
Lojic+ is easier to establish proximal contacts than with other single-composition spherical alloys <sup>[4]</sup>.

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.



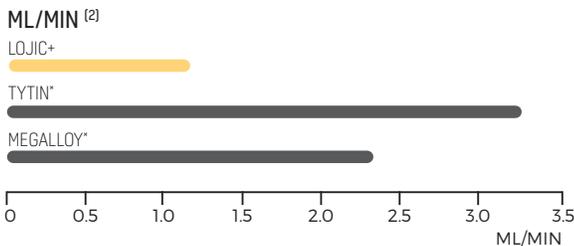
## PLATINUM MODIFIED

The addition of platinum improves the compressive and tensile strengths.

## LOW MICROLEAKAGE

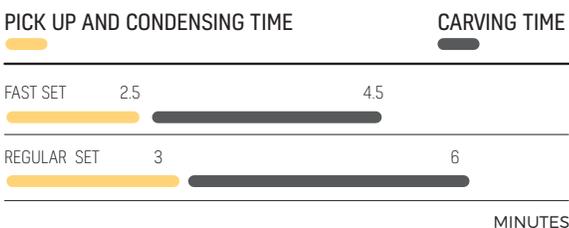
The microleakage for Lojic+ is considerably lower than other spherical alloys.

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



## 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.

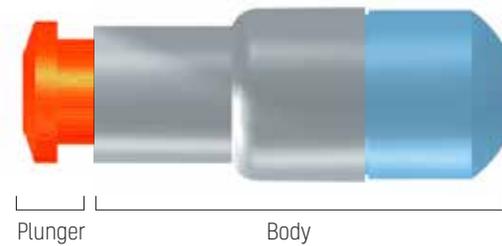


## PHYSICAL PROPERTIES

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

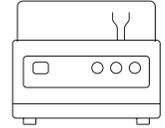
The plunger denotes the spill size:



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>	
Regular Set	4221303
<b>Jars of 500 capsules - Two Spill 600mg alloy</b>	
Regular Set	4222303
Fast Set	4222202

## 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

## MIXING TIMES

<b>Ultramat 2</b>	
Frequency	Fixed (4550 rpm)
1, 2 & 3 Spill	8 ± 1 sec
5 Spill	6 ± 1 sec

\* 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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