



# GS-80

ECONOMICAL, HIGH STRENGTH,  
ADMIX AMALGAM



# HIGH STRENGTH NON-GAMMA 2 ADMIX ALLOY

The technically advanced, non-gamma 2 admix amalgam at an affordable price.

GS-80's high strength and positive dimensional change ensures longevity and patient satisfaction.

Over 200 million successful GS-80 restorations have been placed since its worldwide release in 1986.

**POSITIVE  
DIMENSIONAL  
CHANGE**

**CHOICE OF  
CAPSULE SIZES  
AND SETTING TIMES**

**HIGH COMPRESSIVE  
STRENGTH**

## OPTIMAL HANDLING CHARACTERISTICS

GS-80's consistent mix, ease of loading, placement in preparations, condensability, burnishability, quality of interproximal contact, carvability, and setting characteristics ensure the final restorations meet the needs of the operator.



## ULTRAMAT 2

The dual voltage Ultramat 2 with a high precision microprocessor controlled timer provides consistent and accurate trituration, ensuring the optimal handling and clinical characteristics of mixed materials.

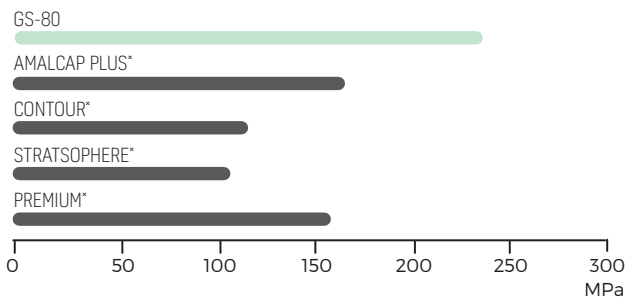


# HIGH STRENGTH AND POSITIVE DIMENSIONAL CHANGE

## HIGH COMPRESSIVE STRENGTH

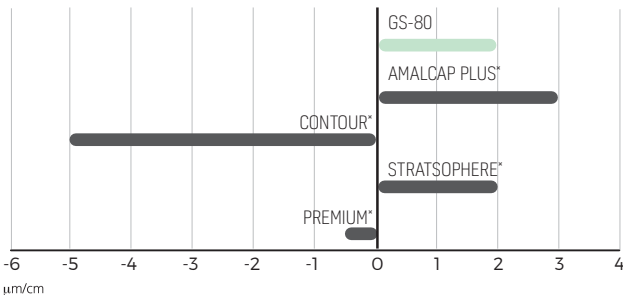
GS-80's high compressive strength minimizes the risk of fracturing the restoration<sup>(1)</sup>. High compressive strength ensures a tough and durable long lasting restoration.

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



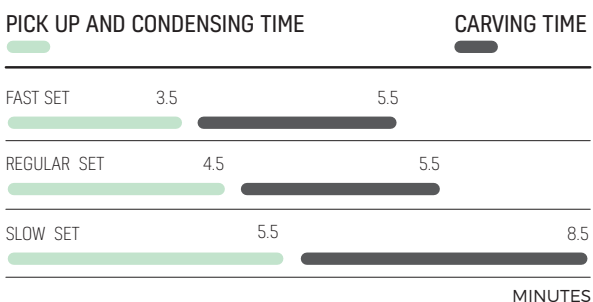
## POSITIVE DIMENSIONAL CHANGE

GS-80's positive dimensional change ensures excellent sealing qualities at the margins<sup>(1)</sup>. Negative values can contribute to post operative sensitivity.



## 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.

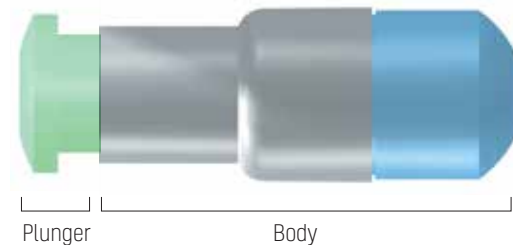


## PHYSICAL PROPERTIES

|  |                                      |
|--|--------------------------------------|
| 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:

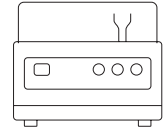


The capsule body denotes the setting speed:



**NOTE:** 5 Spill only available in regular set.

# ORDER DETAILS



## GS-80 CAPSULES

|   |         |
|---|---------|
| <b>Boxes of 50 capsules - One Spill 400mg alloy</b>   |         |
| Regular Set   | 4401203 |
| Fast Set  | 4401202 |
| <b>Boxes of 50 capsules - Two Spill 600mg alloy</b>   |         |
| Slow Set  | 4402404 |
| Regular Set   | 4402303 |
| Fast Set  | 4402202 |
| <b>Boxes of 50 capsules - Three Spill 800mg alloy</b> |         |
| Regular Set   | 4403303 |
| Fast Set  | 4403202 |
| <b>Boxes of 50 capsules - Five Spill 1200mg alloy</b> |         |
| Regular Set   | 4405000 |
| <b>Jars of 500 capsules - One Spill 400mg alloy</b>   |         |
| Slow Set  | 4421404 |
| Regular Set   | 4421403 |
| Fast Set  | 4421402 |
| <b>Jars of 500 capsules - Two Spill 600mg alloy</b>   |         |
| Regular Set   | 4422303 |
| Fast Set  | 4422202 |
| <b>Jars of 500 capsules - Three Spill 800mg alloy</b> |         |
| Regular Set   | 4423303 |
| Fast Set  | 4423202 |
| <b>Jars of 500 capsules - Five Spill 1200mg alloy</b> |         |
| Regular Set   | 4425000 |

## EQUIPMENT

|   |         |
|---|---------|
| <b>Ultramat 2</b><br>[USA - includes power cord for USA]  | 5546045 |
| <b>Ultramat 2</b><br>[All countries - includes power cord for the region the product is shipped to] | 5546052 |
| <b>Ultramat S</b><br>[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    | 8 ± 1 sec        |
| 5 Spill           | 6 ± 1 sec        |
| <b>Ultramat 2</b> |                  |
| Frequency         | Fixed (4550 rpm) |
| 1, 2 & 3 Spill    | 8 ± 1 sec        |
| 5 Spill           | 6 ± 1 sec        |

GS-80 capsules conform to ISO 24234, ANSI/ADA Specification No.1.

\*Amalcap Plus, Contour, Stratosphere and Premium are not the registered trademarks of SDI Limited.

[1] Source-Published and SDI test data.



YOUR SMILE. OUR VISION.



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**GERMANY** 0800 100 5759

**ITALY** 00800 0225 5734  
**NEW ZEALAND** 0800 808 855  
**SPAIN** 00800 022 55 734  
**UNITED KINGDOM** 00800 022 55 734  
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