gs-80

ECONOMICAL, HIGH STRENGTH ADMIX AMALGAM

WIRTSCHAFTLICHES MISCHPARTIKEL AMALGAM, HOHE DRUCKFESTIGKEIT
AMÁLGAMA ADMIX ECONÓMICA E DE ALTA RESISTÊNCIA
AMALGAMA MEZCLA, ALTA RESISTENCIA, ECONOMICA
AMALGAME MIXTE SPHERES ET COPEAUX, A FORTE RESISTANCE
A LA COMPRESSION ET ECONOMIQUE
ECONOMISCH, VERSTERKT ADMIX AMALGAAM
RIMELIG OG STERKT, ADMIX AMALGAM
AMÁLGAMA ΔΙΑΣΠΟΡΑΣ, ΥΨΗΛΗΣ ΑΝΤΟΧΗΣ, ΟΙΚΟΝΟΜΙΚΟ
德用強力アドミックスアマルガム
經濟型，高強度混合型銀汞合金
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 release worldwide in 1986.

### Physical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td><strong>Composition</strong></td>
<td>Ag 40%, Sn 31.3%, Cu 28.7%, Hg 47.9%</td>
</tr>
<tr>
<td><strong>Alloy particle</strong></td>
<td>Spherical and lathe cut</td>
</tr>
<tr>
<td><strong>Compressive strength @ 1 hour</strong></td>
<td>225MPa (32,625psi)</td>
</tr>
<tr>
<td><strong>Compressive strength @ 24 hours</strong></td>
<td>510MPa (73,950psi)</td>
</tr>
<tr>
<td><strong>Diametral tensile strength @ 1 hour</strong></td>
<td>22MPa (3,190psi)</td>
</tr>
<tr>
<td><strong>Diametral tensile strength @ 24 hours</strong></td>
<td>54MPa (7,830psi)</td>
</tr>
<tr>
<td><strong>Static creep @ 7 days</strong></td>
<td>0.1 %</td>
</tr>
<tr>
<td><strong>Dimensional change @ 24 hours</strong></td>
<td>+2µm/cm</td>
</tr>
</tbody>
</table>

**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.
**High compressive strength**
GS-80’s high compressive strength minimizes the risk of fracturing the restoration. High compressive strength ensures a tough and durable long lasting restoration.

**Positive dimensional change**
GS-80’s positive dimensional change ensures excellent sealing qualities at the margins. Negative values can contribute to post operative sensitivity.

<table>
<thead>
<tr>
<th>MPa @ 1 hour (1)</th>
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<tbody>
<tr>
<td>GS-80</td>
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<tr>
<td>Amalcap Plus*</td>
</tr>
<tr>
<td>Contour*</td>
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<tr>
<td>Stratosphere*</td>
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<tr>
<td>Premium*</td>
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</tbody>
</table>

0 50 100 150 200 250 300 MPa

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

**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.

**Conventional capsules**
The plungers denote the spill size:
1 spill  2 spill  3 spill  5 spill

The rest of the capsule denotes the setting speed:
fast  regular  slow

**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.
Boxes of 50 capsules - one spill 400mg alloy
4401404 slow set
4401303 regular set
4401202 fast set

Boxes of 50 capsules - two spill 600mg alloy
4402404 slow set
4402303 regular set
4402202 fast set

Boxes of 50 capsules - three spill 800mg alloy
4403404 slow set
4403303 regular set
4403202 fast set

Boxes of 50 capsules - five spill 1200mg alloy
4405000 regular set

Jars of 500 capsules - one spill 400mg alloy
4421404 slow set
4421303 regular set
4421202 fast set

Jars of 500 capsules - two spill 600mg alloy
4422404 slow set
4422303 regular set
4422202 fast set

Jars of 500 capsules - three spill 800mg alloy
4423404 slow set
4423303 regular set
4423202 fast set

Jars of 500 capsules - five spill 1200mg alloy
4425000 regular set

gs-80 alloy tablets
4450303 regular set 5oz
4450505 regular set 1oz
4440303 regular set 150g
4440404 regular set 30g

gs-80 alloy powder
4460303 regular set 5oz
4470303 regular set 30g
4480303 regular set 50g
4490303 regular set 250g

*Not the registered trademarks of SDI Limited.
(1) Source-Published and SDI test data.

Made in Australia by SDI Limited
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Germany 0800 770 1735
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Italy 800 780625
New Zealand 0800 734 034
Spain 00800 022 55 734
United Kingdom 00800 022 55 734
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