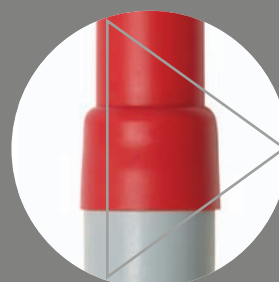


# SDI alloy

TECHNICALLY ADVANCED, ECONOMICAL, NON-GAMMA 2 AMALGAMS

AMALGAMAS TECNICAMENTE AVANZADAS, NO FASE GAMMA 2, ECONOMICAS



SDI

# SDI admix amalgam

## technically advanced, non-gamma 2 admix amalgam



SDI Admix amalgam is a premium dental alloy, for the preparation of non-gamma 2 dental amalgam. The alloy powder is an admix of atomized spherical and lathe cut particles. After a generous working time, a bright, smooth-carving amalgam is produced.




- High early compressive strength
- Smooth carving and generous working time
- Optimum plasticity for dense packing and excellent marginal adaptation
- No gamma 2 phase
- Very low mercury content
- Zinc free formulation
- Efficient amalgamation with both low and high energy mixers
- Very high corrosion resistance
- Complies with requirements of ISO24234 and ANSI / ADA Specification No.1

### Range of sizes

- SDI Admix Alloy capsules are available in bags of 50 and 500.
- SDI Admix Alloy powder is available in 30g and 250g.

### Physical properties

<b>particle shape</b>	spherical and irregular
<b>alloy composition</b>	silver 40%, tin 31%, copper 29%
<b>alloy: mercury ratio</b>	1 : 0.9 (47.4% Hg)
<b>mixing time</b>	7 ± 1s Ultramat 2
<b>compressive strength @ 60 minutes</b>	210MPa (30,450psi)
<b>compressive strength @ 24 hours</b>	510MPa (73,950psi)
<b>static creep @ 7 days</b>	<0.1%
<b>dimensional change @ 24 hours</b>	-4µm/cm
<b>gamma 2</b>	<1%
<b>working time - capsules</b>	pickup and condensing 4.5 minutes carving time 5.5 minutes
<b>working time - powder</b>	pickup and condensing 5 minutes carving time 8 minutes

size	plunger	alloy mg/cap	mercury mg/cap
1 spill		400	360
2 spill		600	540
3 spill		800	720

# SDI spherical amalgam

## super strong economical spherical amalgam



SDI Spherical amalgam is an extremely strong, non-gamma 2 spherical amalgam. Combining superior SDI amalgam technology into an economical spherical, the final amalgam is both easy to condense and smooth to carve.




- High early compressive strength
- Smooth carving and generous working time
- Optimum plasticity for dense packing and excellent marginal adaptation
- No gamma 2 phase
- Zinc free formulation
- Very low mercury content
- Efficient amalgamation with both low and high energy mixers
- Very high corrosion resistance
- Complies with requirements of ISO24234 and ANSI / ADA Specification No. 1

### Physical properties

particle shape	spherical
alloy composition	silver 60%, tin 28%, copper 12%
alloy: mercury ratio	1 : 0.75 (42.9% Hg)
mixing time	6 ± 1s Ultramat 2
compressive strength @ 60 minutes	260MPa (37,700psi)
compressive strength @ 24 hours	520MPa (75,400psi)
static creep @ 7 days	<0.1%
dimensional change @ 24 hours	-3µm/cm
gamma 2	<1%
working time	pickup and condensing 3.5 minutes carving time 5.5 minutes

### Range of sizes

- SDI Spherical Alloy capsules are available in bags of 50 and 500.

size	plunger	alloy mg/cap	mercury mg/cap
1 spill		400	300
2 spill		600	450
3 spill		800	600

# SDI alloy



## SDI Admix Alloy

Economy bags of 50 capsules - one spill 400 mg alloy	4411301
Economy bags of 50 capsules - two spill 600 mg alloy	4412301
Economy bags of 50 capsules - three spill 800 mg alloy	4413301
Economy bags of 500 capsules - one spill 400 mg alloy	4411321
Economy bags of 500 capsules - two spill 600 mg alloy	4412321
Economy bags of 500 capsules - three spill 800 mg alloy	4413321
Powder 30g	4470301
Powder 250g	4490301

## SDI Spherical Alloy

Economy bags of 50 capsules - one spill 400 mg alloy	4211301
Economy bags of 50 capsules - two spill 600 mg alloy	4212301
Economy bags of 50 capsules - three spill 800 mg alloy	4213301
Economy bags of 500 capsules - one spill 400 mg alloy	4211321
Economy bags of 500 capsules - two spill 600 mg alloy	4212321
Economy bags of 500 capsules - three spill 800 mg alloy	4213321

**SDI**

Made in Australia by SDI Limited  
Bayswater, Victoria 3153  
Australia 1 800 337 003  
Austria 00800 022 55 734  
Brazil 0800 770 1735  
France 00800 022 55 734  
Germany 0800 100 5759  
Ireland 01 886 9577  
Italy 800 780625  
New Zealand 0800 734 034  
Spain 00800 022 55 734  
United Kingdom 00800 022 55 734  
USA & Canada 1 800 228 5166  
[www.sdi.com.au](http://www.sdi.com.au)

**CE**  
0297