

amalgam | high strength, optimal handling

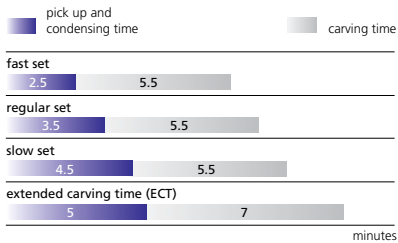


permite

high silver non-gamma 2 admix alloy

The high silver, non-gamma 2 admix alloy unsurpassed by any other with its high strength, high polishability and superior handling qualities. Since its release in 1975, over 400 million successful Permite restorations have been placed worldwide.

setting times



advantages

- High silver non-gamma 2 admix alloy
- High compressive strength
- Zero microleakage
- Superior handling characteristics
- Not affected by moisture

packaging

- Capsules – 1, 2, 3 and 5 spill
- Boxes of 50, jars of 500
- Tablets
- Powder
- Fast, regular, slow and extended carving time (ECT)

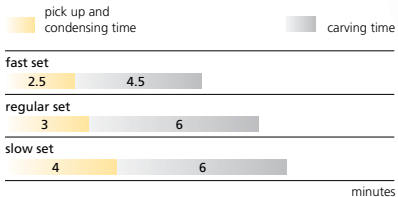


Lojic+

high silver non-gamma 2 spherical alloy

The platinum modified, high silver, non-gamma 2 spherical amalgam Lojic+ has exceptional early strength, smooth handling and excellent polishability. Since its release in 1988, over 50 million successful Lojic+ restorations have been placed worldwide.

setting times



advantages

- High silver non-gamma 2 spherical alloy
- High compressive strength
- Platinum modified
- Very low microleakage
- Superior handling characteristics

packaging

- Capsules – 1, 2, 3 and 5 spill
- Boxes of 50, jars of 500
- Powder
- Fast, regular and slow setting times



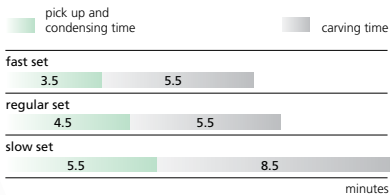
gs-80

economical 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. Since its release in 1986, over 200 million successful GS-80 restorations have been placed worldwide.

setting times



advantages

- Economical non-gamma 2 admix alloy
- High compressive strength
- Very low microleakage
- Optimal handling characteristics

packaging

- Capsules – 1, 2, 3 and 5 spill
- Boxes of 50, jars of 500
- Tablets
- Powder
- Fast, regular and slow setting times





amalgam at a glance

	permite	lojic+	gs-80
composition	Ag 56%, Sn 27.9%, Cu 15.4% In 0.5%, Zn 0.2%, Hg 47.9%	Ag 60.1%, Sn 28.05%, Cu 11.8%, Pt 0.05%, Hg 42.2%	Ag 40%, Sn 31.3%, Cu 28.7%, Hg 47.9%
alloy particle	spherical and lathe cut	spherical	spherical and lathe cut
compressive strength @ 1 hour	260MPa (37,700psi)	250MPa (36,250psi)	225MPa (32,625psi)
compressive strength @ 24 hours	500MPa (72,500psi)	520MPa (75,400psi)	510MPa (73,950psi)
diametral tensile strength @ 1 hour	28MPa (4,060psi)	35MPa (5,075psi)	22MPa (3,190psi)
diametral tensile strength @ 24 hours	54 MPa (7,830 psi)	50MPa (7,250psi)	54MPa (7,830psi)
static creep @ 7 days	0.2%	0.07%	0.1%
dimensional change @ 24 hours	+4µm/cm	-1µm/cm	+2µm/cm



amalgam

amalgam capsules

the plunger
denotes the
spill size

	1 spill	2 spill	3 spill	5 spill*
permite				
lojic+				
gs-80				

the rest of the
capsule denotes
the setting speed

fast	regular	slow	ECT**
			

* 5 spill only available in regular set

** ECT (extended carving time), only available in Permite 1, 2 and 3 spill.

ultramat 2

high speed amalgamator

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.

advantages

- High speed multi-use mixer
- For mixing all types of encapsulated dental materials
- Consistent and accurate trituration
- Quiet low vibration
- 5 year warranty
- Safe and simple to use



capsule trituration times (seconds)

amalgamator	setting/ speed	per mite		logic+		gs-80	
		1, 2, 3 spill	5 spill	1, 2, 3 spill	5 spill	1, 2, 3 spill	5 spill
Ultramat 2 (SDI)	Fixed 4600 cpm	7±1	6±1	6±1	6±1	8±1	7±1
Capmix* (ESPE)	4500 cpm	8±1	7±1	8±1	7±1	8±1	7±1
ProMix* (Caulk)	'Hare' 4200 cpm	11±1	10±1	9±1	8±1	11±1	10±1
Vari-Mix II M* (Caulk)	M2	8±1	7±1	8±1	7±1	8±1	7±1
Vari-Mix III* (Caulk)	M2	8±1	7±1	8±1	7±1	8±1	7±1
Silamat* (Vivadent)	Fixed 4500 cpm	7±1	6±1	6±1	6±1	8±1	7±1
Wig-L-Bug* (Crescent)							
LP-60	High	10±1	9±1	9±1	8±1	10±1	9±1
DS80	High	10±1	9±1	9±1	8±1	10±1	9±1
MSD	Setting 4200 cpm	10±1	9±1	9±1	8±1	10±1	9±1
LPD	Setting 4200 cpm	10±1	9±1	9±1	8±1	10±1	9±1
Spirit* (Pelton Crane)	4200 cpm	10±1	9±1	9±1	8±1	10±1	9±1
Executive* (Pelton Crane)	Fixed	10±1	9±1	9±1	8±1	10±1	9±1
Zenith*	M	10±1	9±1	8±1	7±1	10±1	9±1
AutoMix* (Kerr)	4000 cpm	9±1	7±1	8±1	7±1	9±1	7±1
OptiMix* (Kerr)	4000 cpm	9±1	7±1	8±1	7±1	9±1	7±1

NOTE: The ESPE Rotomix is not recommended for mixing SDI amalgam capsules.
*Not the registered trademark of SDI Limited.



Made in Australia by SDI Limited
Bayswater, Victoria 3153
Australia 1 800 337 003
Austria 00800 022 55734
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

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