

SDI

PERMITE

HIGH STRENGTH, EASY CARVING
ADMIX AMALGAM



HIGH STRENGTH HIGH POLISHABILITY SUPERIOR HANDLING

Permite - the non-gamma 2 admix alloy unsurpassed by any other.

Over 400 million successful Permite restorations have been placed since its worldwide release in 1975.

OPTIMAL HANDLING CHARACTERISTICS

In the Dental Advisor Plus⁽⁴⁾, Permite received a 98% rating for consistency of mix, ease of loading, placement in preparations, condensability, burnishability, quality of interproximal contact, carvability and setting characteristics.

The resulting restorations are smooth and have excellent margin adaptation, especially after burnishing. All consultants said they would recommend Permite to their colleagues⁽⁴⁾.



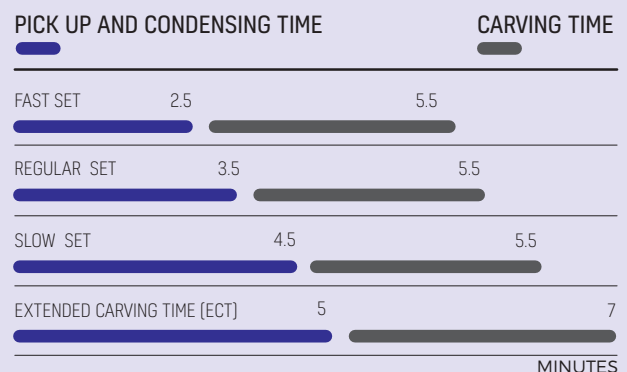
NOT AFFECTED
BY MOISTURE

LOW
MICROLEAKAGE

HIGH COMPRESSIVE
STRENGTH

GREATER CHOICE OF SETTING TIMES AND LARGER CHOICE OF CAPSULE SIZES

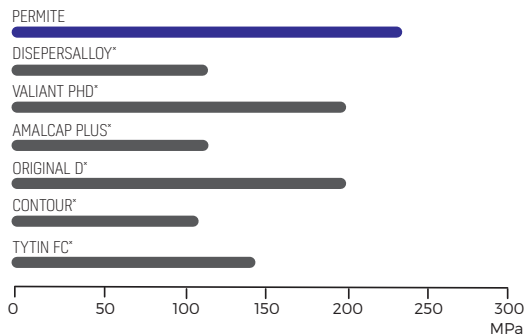
The working and setting times allow large restorations to be condensed and carved without difficulty⁽⁴⁾.



HIGH COMPRESSIVE STRENGTH

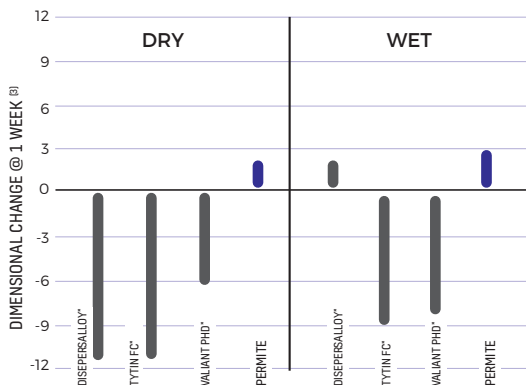
Permite's high compressive strength minimises the risk of fracturing the restoration. High compressive strength ensures a tough and durable long lasting restoration.

COMPRESSIVE STRENGTH @ 1 HOUR ⁽¹⁾



NOT AFFECTED BY MOISTURE

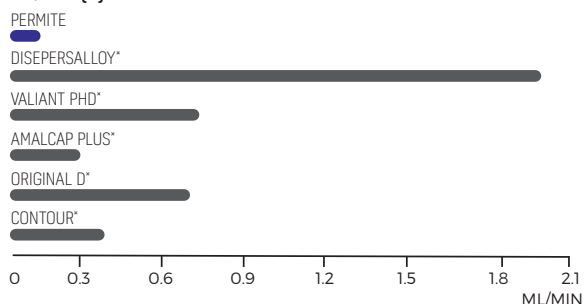
Permite exhibits the best sealing qualities with no danger of excessive delayed expansion if accidentally contaminated with water-based fluids. This makes Permite an excellent solution for retrograde fillings ⁽³⁾.



LOW MICROLEAKAGE

The microleakage for Permite is essentially zero ⁽³⁾. Extensive microleakage has been related to increased post operative sensitivity ⁽²⁾.

ML/MIN [2]

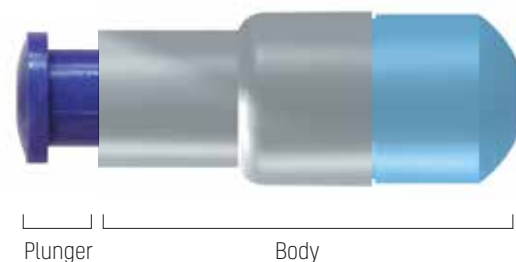


PHYSICAL PROPERTIES

Composition:	Ag 56%, Sn 27.9%, Cu 15.4%, In 0.5%, Zn 0.2%, Hg 47.9%
Alloy Particle:	Spherical and Lathe Cut
Compressive strength @ 1 hour:	260MPa [37,700psi]
Compressive strength @ 24 hours:	500MPa [72,500psi]
Diametral tensile strength @ 1 hour:	28MPa [4,060psi]
Diametral tensile strength @ 24 hours:	54MPa [7,830psi]
Static creep @ 7 days:	0.2%
Dimensional change @ 24 hours:	+4µm/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:

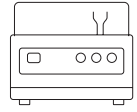


The capsule body denotes the setting speed:



NOTE: 5 spill only available in regular set. ECT [extended carving time], only available in Permite 1, 2 and 3 spill.

ORDER DETAILS



PERMITE CAPSULES

Boxes of 50 capsules - One Spill 400mg alloy	
Regular Set	4001303
Fast Set	4001202
Boxes of 50 capsules - Two Spill 600mg alloy	
Slow Set	4002404
Regular Set	4002303
Fast Set	4002202
ECT (extended carving time)	4002101
Boxes of 50 capsules - Three Spill 800mg alloy	
Regular Set	4003303
Fast Set	4003202
Boxes of 50 capsules - Five Spill 1200mg alloy	
Regular Set	4005000
Jars of 500 capsules - One Spill 400mg alloy	
Regular Set	4021303
Fast Set	4021202
Jars of 500 capsules - Two Spill 600mg alloy	
Slow Set	4022404
Regular Set	4022303
Fast Set	4022202
ECT (extended carving time)	4022101
Jars of 500 capsules - Three Spill 800mg alloy	
Regular Set	4023303
Fast Set	4023202
Jars of 500 capsules - Five Spill 1200mg alloy	
Regular Set	4025000

EQUIPMENT

Ultramat S High speed amalgamator	5546058
Ultramat 2 High speed multi-use triturator	5546052

MIXING TIMES

Ultramat S	
Frequency	Fixed (4600 rpm)
1, 2 & 3 Spill	8 ± 1 sec
5 Spill	6 ± 1 sec
Ultramat 2	
Frequency	Fixed (4550 rpm)
1, 2 & 3 Spill	8 ± 1 sec
5 Spill	6 ± 1 sec

* Dispersalloy, Valiant PhD, Amalcap Plus, Original D, Contour, Tytin and Tytin FC 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] Nelson, L. W., Mahler, D. B., Factors influencing the sealing behavior of retrograde amalgam fillings, Oral Surgery, Oral Medicine, Oral Pathology 1990;69:356-60

[4] The Dental Advisor Plus, March/April 1995, Vol. 5, No. 2



YOUR SMILE. OUR VISION.



MADE IN AUSTRALIA
by SDI Limited
3-15 Brunsdon Street,
Bayswater, Victoria 3153
www.sdi.com.au

AUSTRALIA 1800 337 003
AUSTRIA 00800 022 55 734
BRAZIL 0800 770 1735
FRANCE 00800 022 55 734
GERMANY 0800 100 5759

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