



Wykle Amalgams

Wykle amalgams allow you to produce restorations with the high strength necessary in an alloy suitable for the most demanding requirements.

You, as a dentist, can expect an immediate difference in quality within your practice. Visually, the high silver content creates beautiful, high luster restorations.

Wykle amalgams are based on an advanced metallurgical formula known as “dispersed phase”. This technology stems from the aerospace industry and utilizes specially designed silver/copper eutectic spheres interdispersed throughout a conventional matrix.

HOW IT WORKS

Wykle amalgams contain high copper, mostly in spherical form. Tin is drawn to these copper-rich spheres, creating a less corrosive eta phase, rather than the more corrosive Gamma2 phase where tin and mercury are drawn together. Gamma2 is easily corroded leaving a void in the amalgam. Wykle amalgams virtually eliminate this tin/mercury or Gamma2 phase. Premature ditching and marginal breakdown are nonexistent.



Original D® Restoration

While exceptional in compressive and tensile strength, this less corrosive eta phase is the unique reason for Wykle amalgams superior performance. In addition, admixing of the alloy is necessary to provide proper marginal adaptation. The strength of this admix creates “bulletproof” restorations for your patients.

CLINICALLY PROVEN PERFORMANCE

Wykle amalgams provide the marginal integrity that result in stable, long-term restorations.

The precise combination of lathe-cut and spherical particles provides excellent marginal adaptation while maintaining carvability.

The unique and precise manufacturing process produces mixes that are reliable and exceptionally consistent. For this reason we produce both our amalgams in three set times: regular, fast and extra-fast. With our 35 year reputation for superior clinical performance, Wykle amalgams have proven to be two of the world’s premiere amalgams.

Original D and Phasealloy amalgams are available in tablets, powder and hygienic self-activating capsules. Wykalloy is available in capsules, 1, 2, 3 spill and one set time.



Phasealloy™ Restoration by
Dr. Harold M. Shavell, DDS



ORIGINAL D®
Dispersion System



phasealloy®
DISPERSION PHASE ALLOY



Original D is the original dispersed phase amalgam. Visually the high silver content creates beautiful, high luster restorations. Manufactured utilizing the original manufacturing process, Original D is the most consistent amalgam available providing controlled set times and unsurpassed handling characteristics. Beginning to end, consistent results ... guaranteed.

More than 30 years of clinical research is proof positive the original dispersed phase formula found in Original D is unsurpassed.

Composition	Ag	69%
	Sn	18%
	Cu	12%
	Zn	1%

Particle Type:	Lathe Cut	66.6%
	Spherical	33.3%

FEATURES/BENEFITS

Predictable Results
 Consistent Mixes with Controlled Set Times
 Firm Resistance to Condensing
 Superior Marginal Integrity
 No Gamma2 - No Corrosion
 Low Creep
 High Early and Long-term Compressive Strength
 Hg Safe Capsule Design



Wykalloy is a high copper admix alloy. The strength you need for less.

Economical alloy with high strength from the makers of the original dispersed phase, premium amalgam. Wykalloy has excellent marginal adaptation and that crunchy feel while condensing.

Composition:

Ag	43.1%
Sn	30.8%
Cu	26.1%

Particle type	Irregular cut	30%
	Spherical	70%

Features/benefits

Economical
 Long lasting, resistant and strong
 Excellent marginal adaptation
 Crunchy feeling while condensing
 No Gamma2- no corrosion
 Pre-dosed for a consistent mix
 Hg safe capsule design



The fine difference between restoration and artistic perfection.

Many dentists pride themselves on quality workmanship that gives quality results.

The goal to restore original anatomy leads dentists to choose Phasealloy. This innovative amalgam is specially designed to provide extended carving time, allowing you to perform up to your fullest creative capabilities. Phasealloy is recognized as the only extended carve amalgam suitable for exacting anatomical recreation.

Phasealloy is a second generation dispersed phase amalgam. The variation is in the amalgam's ability to set more slowly providing the necessary time to restore the detail of the original anatomy, while still providing the strength that only a true dispersed phase amalgam can afford.

Composition	Ag	66%
	Sn	19%
	Cu	14%
	Zn	1%

Particle Type:	Lathe Cut	75%
	Spherical	25%

FEATURES/BENEFITS

Predictable Results
 Extended and Smooth Carve
 Superior Marginal Integrity
 Low Mercury Vapor Release
 No Gamma2 - No Corrosion
 Low Creep
 High Compressive Strength
 Hg Safe Capsule Design



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