

Our investments have always set the bar.
Now we've raised it.



Phosphate Bonded Investments



FORMULA 1

The universal investment for all alloys and pressable ceramics.

- One investment for both crown and bridge alloys and pressable ceramics
- Wide expansion range
- Fluid consistency promotes ease of investing and smooth surfaces
- Advanced hybrid formula strengthens molds and devests easily
- Rapid and standard burnout capabilities require no change in laboratory routines
- 15-minute benchset reduces processing time
- Recommended liquid: Special Liquid Concentrate-PLUS *(Sold separately)*

ITEM NO. DESCRIPTION

Preweighed Envelopes

38148	40-150 g Packages
38151	50-60 g Packages
38152	50-100 g Packages
38170	150-60 g Packages
38171	100-100 g Packages
38173	4-2.5 kg (10 kg) Packages



FASTFIRE 15

One Investment for All C&B Alloys

- Produces smooth, accurate castings in less than 1 hour
- 15 minute benchset
- 30 minute or overnight burnout
- FastFire Liquid allows year-round problem-free shipping and controlled expansion. *(Sold separately)*

ITEM NO. DESCRIPTION

38081	9 kg (20 lb.) Carton
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Preweighed Envelopes

38089	25-60 g Packages
38097	25-90 g Packages
38134	150-60 g Packages
38142	100-90 g Packages



PC15

Investment for All Pressable Ceramic Systems

- Produces smooth, accurate pressings in less than 1 hour
- Reliable performance with all pressable systems
- 15 minute benchset
- 30 minute or overnight burnout
- Recommended liquid: FastFire Liquid *(Sold separately)*

ITEM NO. DESCRIPTION

Preweighed Envelopes

38176	25-100 g Packages
38183	100-100 g Packages



POWERCAS

Carbon-Free, Fine-Grain Phosphate-Bonded Investment for High-Fusing Alloys

- Crack-resistant and tolerant of rapid temperature rise
- Can be used with both ring or ringless technique
- Easy breakout for faster cleanup
- Use conventional or rapid burnout techniques
- Recommended liquid: Special Liquid Concentrate-PLUS *(Sold separately)*

ITEM NO. DESCRIPTION

38081	9 kg (20 lb.) Carton
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Preweighed Envelopes

38134	150-60 g Packages
38142	100-90 g Packages



HI-TEMP

Carbon-Free Investment for Non-Precious and Semi-Precious Alloys — 30 Years of Successful Use

- Smooth, clean castings
- Tough, dependable investment for everyday use
- Dilution of the freeze stable liquid lets you control the expansion of the alloy being used
- Recommended liquid: Special Liquid Concentrate *(Sold separately)*

ITEM NO. DESCRIPTION

00478	11 kg (25 lb.) Carton
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Preweighed Envelopes

00663	144-60 g Packages
00671	144-90 g Packages

Phosphate Bonded Investments



ACCUVEST

Investment for Non-Precious Alloys

- 30-minute benchset before placing molds into a hot oven for rapid burnout
- Extremely consistent results
- Robust formula, gives increased strength during burnout
- Reliable performance using many casting techniques and alloys
- Exceptionally smooth, accurate castings
- Recommended liquid: Special Liquid Concentrate-MAX *(Sold separately)*

ITEM NO.	DESCRIPTION
38051	25 kg (55 lb) Carton
38055	4-25 kg (5.5 lb) Bag
Preweighed Envelopes	
38053	40-150 g Package
38050	100-90 g Package
38052	100-60 g Package



CERA-FINA

Carbon-Free Fine-Grained Investment for High-Fusing Alloys

- Extremely fine texture results in accurate castings and smooth surfaces
- Extended working time (8–10 minutes) allows easy, accurate investing reducing finishing time
- Carbon-free to assure compatibility with all alloys, especially for palladium and non-precious
- Recommended liquid: Special Liquid Concentrate *(Sold separately)*

ITEM NO.	DESCRIPTION
05096	9 kg (20 lb.) Carton
Preweighed Envelopes	
05134	144-60 g Packages
05142	144-90 g Packages



CERAMIGOLD

Phosphate-Bonded Investment Containing Carbon for Ceramic Gold Alloys — 35 Years of Successful Castings

- Smooth, clean castings
- Tough, dependable investment for ceramic gold alloys using standard burnout with metal rings
- Dilution of the freeze stable liquid lets you control the expansion to the alloy being used
- Recommended liquid: Special Liquid Concentrate *(Sold separately)*

ITEM NO.	DESCRIPTION
00362	11 kg (25 lb.) Carton
Preweighed Envelopes	
00427	144-60 g Packages
00435	144-90 g Packages

	LIQUID (ML) PER 100G POWDER	SUGGESTED LIQUID CONCENTRATION		WORKING TIME	BENCH SET	RAPID VS STANDARD BURNOUT	BURNOUT TEMP RANGE	COMP STRENGTH WET	SETTING EXP	THERMAL EXP	ISO TYPE
FORMULA 1	22	80% 75% 70%	Base Alloys Noble Alloys High Noble Alloys	6 – 8 min	15 min	Rapid & Standard	650-900°C (1200-1650°F)	1,350 psi	1.6%	0.65%	1
FASTFIRE 15	27	80 – 100% 75% 60%	Base Alloys Noble Alloys High Noble Alloys	7 – 9 min	15 min	Rapid & Standard	650-900°C (1200-1650°F)	500 psi	1.0%	1.0%	1
PC15	27	80% 60% 75%	Crown & Veneers Inlays - MO, DO Inlays - MOD ¾ Crowns, Onlays	7 – 9 min	15 min	Rapid & Standard	650-900°C (1200-1650°F)	500 psi	1.0%	0.7%	1
POWERCAST	23	75 – 100% 75% 50 – 75%	Base Alloys Noble Alloys High Noble Alloys	8 – 9 min	45 min	Rapid & Standard	650-900°C (1200°F-1650°F)	700 psi	0.8%	1.0%	1
HI-TEMP	16	75 – 100% 75% 50 – 75%	Base Alloys Noble Alloys High Noble Alloys Ceramic Au> 45% C & B Au	7 – 8 min	60 – 90 min	Standard	650-900°C (1200°F-1650°F)	1500 psi	0.7%	1.2%	1
AccuVest	20	80% 75% 55%	Base Alloys Noble Alloys High Noble Alloys	7 – 9 mi	30 min	Rapid & Standard	760-900°C (1400°F-1650°F)	600 psi	2.5%	1.2%	1
CERA-FINA	24	75 – 100% 75% 50 – 75%	Base Alloys Noble Alloys High Noble Alloys	8 – 10 min	90 – 120 min	Standard	650-900°C (1200-1650°F)	600 psi	0.25%	1.3%	1
CERAMIGOLD	16	75 – 100% 75% 50 – 75%	Base Alloys Noble Alloys High Noble Alloys	6 – 7 min	60 – 90 min	Standard	650-900°C (1200-1650°F)	1500 psi	0.7%	1.2%	1

Phosphate Bonded Investments



X-20 CHROME

Phosphate Investment for Casting Partial with Chromium Dental Alloys

- Refractory cast is hard, strong and smooth
- No danger of breakage or abrasion
- May be used without metal ring
- Recommended liquid: Special Liquid Concentrate *(Sold separately)*

ITEM NO.	DESCRIPTION
33295	22 kg (50 lb.) Carton
34584	25 kg (55 lb.) Carton
Preweighed Envelopes	
27384	50-400 g Packages



X-20 SPEED

Improved Casting Investment for Making Chrome Partial Denture Frameworks

- Outer mold ready for burnout after 20 minutes
- Recommended liquid: Special Liquid Concentrate *(Sold separately)*

ITEM NO.	DESCRIPTION
33760	25 kg (55 lb.) Carton
Preweighed Envelopes	
27390	50-400 g Packages

Gypsum Bonded Investments



BEAUTY-CAST

For Low-Fusing Crown and Bridge Alloys

- The proven standard for the Hygroscopic Expansion Technique
- Also control setting expansion by varying the number of ring liners or altering water/powder ratio

ITEM NO.	DESCRIPTION
00035	11 kg (25 lb.) Carton
Preweighed Envelopes	
00078	24-50 g Packages
00108	144-50 g Packages
00124	144-75 g Packages



NOVOCAST

For Low-Fusing Crown and Bridge Alloys

- Expansion control by varying water/powder ratio
- Technique the same for all types of castings
- Sets rapidly to produce a strong, ultra smooth mold with easy divesting

ITEM NO.	DESCRIPTION
01015	9 kg (20 lb.) Carton
Preweighed Envelopes	
01074	24-75 g Packages
01082	144-50 g Packages
01112	144-75 g Packages

CRISTOBALITE

For Low-Fusing Crown and Bridge Alloys

- Gives high thermal expansion, even at comparatively low temperatures
- For use with inlays and full casts
- Carbon Free

ITEM NO.	DESCRIPTION
Preweighed Envelopes	
01228	144-50 g Packages

Refractory Investments



POLYVEST

Refractory Investment for Porcelains with Medium Range Thermal Expansion

- Fine-grained material for smooth surfaces and accurate reproduction
- High strength allows multiple firings — resists fractures and abrasions
- Compatible with porcelains with CTE of 13.9 or lower
- Use with medium expansion porcelains
- Recommended liquid: Special Liquid Concentrate-PLUS (Sold separately)

ITEM NO. DESCRIPTION
24930 24-60 g Packages



V.H.T. INVESTMENT

Refractory Investment for Porcelains with High Thermal Expansion

- High strength allows multiple firings
- Smooth, hard surfaces for superior fit
- Controlled expansion for perfect fitting veneers, inlays/onlays or jackets
- Compatible with porcelains with CTE of 14.0 or higher
- Recommended liquid: Special Liquid Concentrate (Sold separately)

ITEM NO. DESCRIPTION
18474 24-60 g Packages

	LIQUID (ML) PER 100G POWDER	SUGGESTED LIQUID CONCENTRATION	WORKING TIME	BENCH SET	RAPID VS STANDARD BURNOUT	BURNOUT TEMP RANGE	COMP STRENGTH WET	SETTING EXP	THERMAL EXP	ISO TYPE
PHOSPHATE INVESTMENTS										
X-20 Chrome (For models using liquid)	11 (Special Liquid)	Recommended concentration for Special Liquid Concentrate is 50% (1part liquid, 1 part water)	4-5 minutes	60 minutes	Standard	650-900°C (1200-1650°F)	2,500	0.20%	0.90%	2
X-20 Chrome (For Investing Outer Mold)	13 (Water)	Recommended concentration for Special Liquid Concentrate is 50% (1part liquid, 1 part water)	5-6 minutes	60 minutes	Rapid	650-900°C (1200-1650°F)	1,850	0.10%	1.00%	2
X-20 Speed (For Investing Outer Mold)	12 (Water)	Recommended concentration for Special Liquid Concentrate is 50% (1part liquid, 1 part water)	5-6 minutes	20 minutes	Rapid	650-900°C (1200-1650°F)	1,850	0.10%	1.00%	2
GYPSUM INVESTMENTS										
BEAUTY-CAST	30	To adjust expansion with gypsum based investments alter water / powder ratios by 1-2 ml. Decrease water to increase expansion Increase water to decrease expansion	3 minutes	30 – 40 min	Standard	515-650°C (950°F to 1200°F)	700 psi	.40%	Hygroscopic exp – 1.50% 480°C- .55% 650°C- 1.20%	1
NOVOCAST	34	See above	3 minutes	30 min	Standard	650°C (1200°F)	950 psi	.45%	1.20%	1
CRISTOBALITE	30	See above	3 minutes	16 min	Standard	650°C (1200°F)	700 psi	.50%	1.25%	1
REFRACTORY INVESTMENTS										
POLYVEST	22	100% Polyvest Liquid	2 minutes	30 min	See instructions for degas procedure – maximum furnace temperature 1200°C			.80%	.65%	6,000 psi
VHT	19	100% Special Liquid Concentrate	4-5 minutes	30 min	See instructions for degas procedure – maximum furnace temperature 1200°C			.30%	.80%	2,500 psi

Controlled Expansion Liquid



SPECIAL LIQUID CONCENTRATE

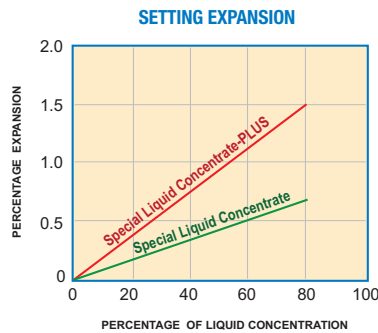
Formulated for use with X-20 Chrome, X-20 Speed, Ceramigold, Hi-Temp, Cera-Fina and V.H.T.
Freeze stable

ITEM NO.	DESCRIPTION
02135	340 mL Bottle
02194	1 Liter Bottle
02130	6 Pk./340 mL Bottles
02190	6 Pk./1 Liter Bottles

SPECIAL LIQUID CONCENTRATE – PLUS

Formulated for use with PowerCast, Formula 1 and Polyvest.
Also formulated for use with Hi-Temp, Ceramigold, Cera-Fina and FastFire 15 investments to achieve greater expansion
Keep from freezing

ITEM NO.	DESCRIPTION
38122	340 mL Bottle
38127	1 Liter Bottle
38125	6 Pk./ 340 mL Bottles
38130	6 Pk./1 Liter Bottles



FASTFIRE LIQUID

For use with FastFire 15 and PC 15 Freeze Stable.
Allows year-round, problem-free shipping and controlled expansion

ITEM NO.	DESCRIPTION
38161	1 Liter Bottle
38164	6 Pk./1 Liter Bottles
38165	6 Pk./340 mL Bottles
38166	340 mL Bottle



New Design, New Standard.

Introducing our new state-of-the-art packaging with improved material structure and seal design. The new design far surpasses previous packaging in strength and resistance to humidity and air leaks. All Whip Mix Phosphate Investments are blended and packaged in a special heat and humidity controlled facility to assure the stability of the product, providing you with more consistent results.

Soldering Investments



SOLDERING INVESTMENT

For All Soldering Purposes

- High strength and heat-shock resistant
- Smooth and stackable consistency for easy investing
- Easy to deinvest

ITEM NO.	DESCRIPTION
01473	2 kg (4 1/2 lb.) Package
01503	11 kg (25 lb.) Carton



HI-HEAT SOLDERING INVESTMENT

For High-Fusing Precious and Base Metals

- Excellent with high-fusing ceramic alloys for pre- and post-soldering technique
- May be used for soldering precision attachments
- Smooth consistency and flows freely

ITEM NO.	DESCRIPTION
01546	2 kg (4 1/2 lb.) Package
01562	11 kg (25 lb.) Carton

Accessories

DISPOSABLE PLUNGERS

For use with Pressable Ceramics

Enhance Uniform Expansion and Contraction
Between Molds and the Plunger

- Designed for use with any type of pressable ceramics and 2 or 5 gram ingots (12 mm, 16.5 mm, and 18 mm diameter)
- Plungers are heat-treated—no need for pre-heating
- No cleaning required—just dispose of plunger when you're done
- Plunger made from material similar to investment, enhancing the uniform cooling between the mold and the plunger
- Packaged in foam insert to prevent transit damage

ITEM NO.	DESCRIPTION
96315	50 Pk./2 g (12 mm D.) Disposable Plungers Fits most 2"/200 g ring formers
96325	25 Pk./5 g (16.5 mm D.) Disposable Plungers Fits most 2½"/300 g ring formers
96320	25 Pk./5 g (18 mm D.) Disposable Plungers Designed for use with GC® ring former system



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