

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 devents 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

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

330220	15 kg (33 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

38183	100-100 g Packages
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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

330215	15 kg (33 lb.) Carton
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Preweighed Envelopes

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

Phosphate Bonded Investments



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
330225	15 kg (33 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
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	650-925°C (1200-1700°F)	1,350 psi	1.6%	0.65%	1
FASTFIRE 15	27	75% 65% 50%	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	70% 50% 65%	Crown & Veneers Inlays - MO, DO Inlays - MOD ¾ Crowns, Onlays	7 – 9 min	15 min	Rapid & Standard	650-850°C (1200-1562°F)	500 psi	1.0%	0.7%	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 – 120 min	Standard	575-900°C (1100°F-1650°F)	1500 psi	0.7%	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	575-900°C (1100-1650°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	575-900°C (1100-1650°F)	1500 psi	0.7%	1.2%	1

Phosphate Bonded Investments



RESINVEST

Phosphate-bonded Fiber-reinforced RPD Casting Investment for Resin Patterns

- High strength prevents fractures and casting fins
- Rapid Burnout allows set investment to be placed directly into heated oven
- ResinVest is easy to pour and divest
- Wide expansion range means excellent fit with minimal adjustment
- Recommended Liquid: Special Liquid Concentrate Plus *(Sold separately)*

ITEM NO.	DESCRIPTION
330201	15 kg (33 lb.) Carton



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
330205	15 kg (33 lb.) Carton

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
Preweighed Envelopes	
00078	24-50 g Packages
00108	144-50 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
Preweighed Envelopes	
01082	144-50 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

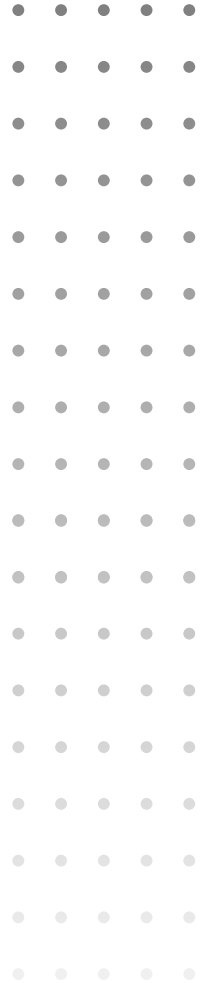


POLYVEST

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



	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										
ResinVest	22	Recommended concentration for Special Liquid Concentrate is 80%, 75%, 70%	6–8 minutes	15 minutes	Rapid & Standard	650-925°C (1200-1700°F)	1,350 psi	1.60%	0.65%	1
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	400-900°C (750-1650°F)	2,500	0.20%	0.90%	2
X-20 Chrome (For Investing Outer Mold)	13 (Water)	100% Water	5–6 minutes	60 minutes	Standard	400-900°C (750-1650°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	30 min	Standard	650°C (1200°F)	700 psi	.50%	1.25%	1
REFRACTORY INVESTMENTS										
POLYVEST	22	100% Polyvest Liquid	2 minutes	45 – 60 minutes	See instructions for degas procedure – maximum furnace temperature 1200°C			.80%	.65%	6,000 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

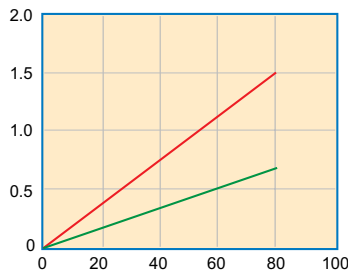
ITEM NO.	DESCRIPTION
02135	340 mL Bottle
02194	1 Liter Bottle
02190	6 Pk./1 Liter Bottles

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
38130	6 Pk./1 Liter Bottles

SETTING EXPANSION



FASTFIRE LIQUID

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

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

Soldering Investments



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
330210	15 kg (33 lb.) Carton

Related Products



AQUASPENSE WATER DISPENSER

- Water can be drawn from large container or supplied 1 liter bottle
- Can be used with any gypsum – not necessary to change powder containers
- Programmable memory – 15 settings

ITEM NO.	DESCRIPTION
09560	(115V/60Hz)
09561	(230V/50Hz)

AQUASPENSE SL WATER/SPECIAL LIQUID DISPENSER

- May be used with water only for gypsum
- Standardizes water to special liquid percentage
- Use with gypsum liquid additives
- Programmable memory – 15 settings

ITEM NO.	DESCRIPTION
09550	(115V/60Hz)
09551	(230V/50Hz)



VPM2

- Pre-mix stage blends powder and liquid eliminating the need to hand spatulate
- Program settings include: pre/post vacuum, time, speed and paddle direction
- Up to 30 separate programs
- Digital LCD display
- Wall-mount or use with stand
- Hands-free design allows technician to multi-task
- Inlet filter prevents material from entering vacuum pump
- Maintenance free, oil-less design
- Compatible with 4 sizes of mixing bowls (150g–1000g capacity)

Vacuum Mixing Unit

ITEM NO.	DESCRIPTION
29340	Complete with stand and 500 mL Vac-U-Mixer (115V/60Hz)
29341	Complete with wall bracket and 500 mL Vac-U-Mixer (230V/50Hz)

Parts & Accessories

ITEM NO.	DESCRIPTION
29343	Stand
29342	Wall Bracket



VPMmini VACUUM MIXER

- 99 custom programs
- Compatible with VPM2 mixing bowl drive nuts
- Can be wall-mounted or stand-mounted
- Strong vacuum holds bowl in position

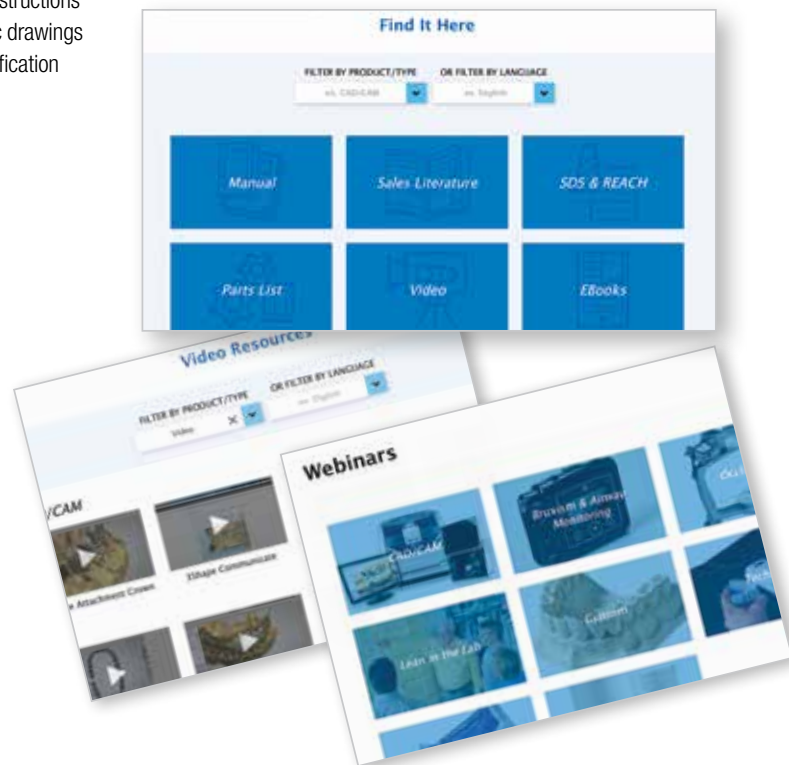
ITEM NO.	DESCRIPTION
29400	Complete with stand and 500 mL Vac-U-Mixer (115V/60Hz)
29401	Complete with wall bracket and 500 mL Vac-U-Mixer (115V/60Hz)

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