



BEGO

# INVESTMENT MATERIALS

# General Information

## A brief insight

Thank you very much for your interest in BEGO investment materials or for having already decided on an investment material from the BEGO portfolio. BEGO investment materials are specially developed to meet the highest quality requirements for every indication and are manufactured in consistently high quality. They offer you, the user, solutions for the production of cast dental prostheses with a reproducible, precise fit and smooth casting surfaces.

All phosphate-bonded BEGO investment materials meet the production requirements of modern, cost- and quality-conscious dental laboratories.



Images and illustrations are examples. Colors, symbols, designs, and information on the depicted labels and / or packaging may differ from reality.

# VarseoVest P<sup>plus</sup>

**Phosphate-bonded, shock-heat precision investment material, specially for casting 3D printed partial denture frames**

- Specially developed for the investing of 3D printed partial denture frames
- Creates an excellent fit and smooth surfaces of the cast objects – after each casting and even with pressureless investing
- The mould is inserted directly into the furnace, which is preheated to 900–950 °C, only 20 min. after investing – for a considerable reduction in the duration of the heating process
- Long working time of approx. 4:40 min. enables reliable, fatigue-free working
- **Mixing liquid: BegoSol® K**

# VarseoVest C&B

**Phosphate-bonded, shock-heat precision investment material, specially for casting 3D printed crown and bridge frameworks**

- Specially developed for the investing of 3D printed crown and bridge frameworks
- Creates an excellent fit and smooth surfaces of the cast objects – after each casting and even with pressureless investing
- The mould is inserted directly into the furnace, which is preheated to 900 °C, only 20 min. after investing – for a considerable reduction in the duration of the heating process
- Working time of approx. 3:15 min. enables reliable, fatigue-free working
- **Mixing liquid: BegoSol® CC**

## BegoSol®

**Mixing liquid for BEGO investment materials**

- Required mixing ratio can be created for these liquids using distilled or demineralised water
- The higher the concentration of the mixing liquid, the greater the expansion of the investment material
- Available in the varieties: BegoSol®, BegoSol® HE, BegoSol® K and BegoSol® CC

# Bellavest® SH

**Shock heat or conventionally heatable precision casting investment material for crowns and bridges**

- Large indication range for precision casting with precious and non-precious alloys, pressable and press-on ceramics
- Shock heating at 900 °C or conventional heating mean flexibility for the workflow of the dental laboratory
- Long working time of approx. 5 min. enables reliable, fatigue-free working
- Extremely smooth cast surfaces make for a good accuracy of fit and time savings due to minimal finishing times
- Sets with a high edge-strength, yet still permits easy deflasking
- **Mixing liquid: BegoSol® HE**

# Bellavest® DR

**Low-dust, shock heat or conventionally heatable precision casting investment material**

- Produces at least 80 % less dust during working for considerably improved health protection
- Shock heat at up to 900 °C or conventional heating mean flexibility for the workflow of the dental laboratory
- Long working time of approx. 5 min. enables reliable, fatigue-free working
- Fine, creamy consistency results in very smooth casting surfaces with perfect reproduction of even the finest details
- Sets with a high edge-strength, yet still permits easy deflasking
- **Mixing liquid: BegoSol® HE**

# Bellavest® T

**Precision casting investment material for the crown and bridge technique**

- Standard investment material with a proven track record worldwide and high reliability in accuracy of fit and processing
- Preheated using conventional methods only
- Long working time of approx. 5 min. enables reliable, fatigue-free working
- Creamy consistency for smooth castings with accuracy in every Detail
- **Mixing liquid: BegoSol®, BegoSol® HE**

# BellaStar XL

Premium investment material for crowns and bridges

- Ideal for precious-metal alloys, but also well suited for non-precious alloys in many indications
- Shock heat or conventional heating and the insertion temperature can be the same as the final temperature
- Thin-to-creamy consistency and optimal flow properties allow problem-free filling of even the finest model details
- Extremely fine-grained with an excellent accuracy of fit
- Flexibility and trusted, reliable and fatigue-free processing with superb precision
- **Mixing liquid: BegoSol® K**

# Bellasun

Conventionally heatable crown and bridge investment material

- Characterised by reliable processing, precision-fitting results and extra-long working time: at least 3 min. at an ambient temperature of 30 °C
- Excellent flow properties combined with a long working time make for fatigue-free and reliable investing in all crown and bridge indications
- Universal use of all shapes and sizes of mould and the low deflasking hardness round off the working characteristics
- **Mixing liquid: BegoSol®**



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## WiroFine

For all partial denture and combination technique applications

- Shock heat or conventional heating to 1,050 °C with ideal expansion values
- Rapid preheating up to 1,000 °C: Insertion temperature = final temperature
- Additional time saving of 20–30 % in comparison with investment materials which have to be heated up from 600 °C
- Fine model surfaces also when duplicating with gel – no hardening necessary for silicone duplication
- Ideal flow properties ensure processing without complications
- Excellent fit and high edge strength also make it ideal for combination work
- Can be used for all shapes of mould and wax-up geometries
- **Mixing liquid: BegoSol® K, BegoSol®**

## WiroFast

Partial denture investment material suitable for shock heating

- Phosphate-bonded partial denture investment material developed specifically to offer both homogeneous duplication properties in gel and optimal suitability for shock heating
- Shock heat or conventional heating processes offer the flexibility required for day-to-day work in the laboratory
- The mould is inserted directly into the furnace, which is preheated to 900 °C, only 10 min. after investing, which represents a considerable reduction in the duration of the heating process
- Ideal deflasking properties shorten the deflasking process and reduce the necessary use of blasting materials
- **Mixing liquid: BegoSol®**

## Wiroplus® S

Precision partial denture investment material for the silicone duplication technique

- Long working time of approx. 4 min. for perfect filling even with the finest details makes for reliable processing
- High edge strength makes for stable, precise modelling
- Very smooth duplicate models and equally smooth cast surfaces ensure impressive accuracy of fit and minimize the finishing required
- Very good deflasking properties save time and reduce material consumption
- **Mixing liquid: BegoSol®**

# Wirovest®

## Standard investment material for the partial denture technique

- Classic phosphate-bonded partial denture investment material with particularly good results in the gel-duplication technique
- High expansion for accuracy of fit and minimal finishing
- Smooth model surfaces facilitate modelling and ensure equally smooth cast surfaces
- When mixed with water (for pouring the cylinder) the investment exhibits a significantly reduced deflasking hardness – this saves time and money
- **Mixing liquid: BegoSol®**

# Wirovest® plus

## Enhanced version of Wirovest® partial denture investment material

- Offers the benefits of extended working time and universal suitability for duplication within all conceivable areas of indication
- Partial denture investment material which achieves excellent accuracy of fit with a wide range of duplication techniques and working parameters
- Extended working time enables fabrication of several models and moulds in a single working step, thus saving time
- Very smooth surfaces ensure equally smooth casting results
- Precise duplicate models with high edge strength make for easy modelling and exactly fitting castings, without the need for timeconsuming finishing
- Qualified for conventional casting of plotted CAD/Cast®-frames
- **Mixing liquid: BegoSol®**



# Overview of BEGO

Indications and recommended mixing liquid

## Overview of BEGO investment materials

### Crowns and bridges



Indication	BellaStar® SH	BellaStar® DR	BellaStar® T	BellaStar XL	BellaStar
Casting non-precious alloys	✓✓✓	✓✓✓	✓✓✓	✓✓	✓✓✓
Double crowns in non-precious alloys	✓✓✓	✓✓✓	✓✓ <sup>1</sup>	✓	✓✓✓
Casting precious alloys	✓✓	✓✓	✓✓	✓✓✓	✓✓
Pressable ceramics	✓✓✓	–	–	–	–
Implant prosthodontics	✓✓✓	✓✓✓	✓✓	✓✓✓	✓
CoCr partial-denture duplication with silicone	✓ <sup>2</sup>	–	✓ <sup>2</sup>	✓ <sup>2</sup>	✓ <sup>2</sup>
CoCr partial-denture hydrocolloid duplication	–	–	–	–	–

#### Technical data

Shock heat	✓✓✓	✓✓✓	–	✓✓✓	–
Conventional	✓✓✓	✓✓✓	✓✓✓	✓✓✓	✓✓✓
Working time <sup>3</sup> (20°C) [min]	4:30–5:00	5:00	5:00	3:30	7:00
Flowability [mm]	140–145	135–140	approx. 125	approx. 135	approx. 155

#### Scope of delivery

Contents	REF 54257 144 × 90 g bag	REF 54861 80 × 160 g bag	REF 54213 144 × 90 g bag	REF 54362 80 × 160 g bag	REF 54270 80 × 160 g bag
	REF 70060 50 × 100 g bag	REF 54862 30 × 160 g bag	REF 54202 80 × 160 g bag	REF 54361 30 × 160 g bag	
	REF 54252 80 × 160 g bag		REF 54201 30 × 160 g bag		
	REF 54247 30 × 160 g bag				

#### Accessories

BegoSol® mixing liquid REF 51090 (1 litre) REF 51091 (5 litres)	–	–	✓✓✓	–	✓✓✓
BegoSol® HE mixing liquid REF 51095 (1 litre) REF 51096 (5 litres)	✓✓✓	✓✓✓	✓✓✓	–	–
BegoSol® K mixing liquid REF 51120 (1 litre) REF 51121 (5 litres)	–	–	–	✓✓✓	–
BegoSol® CC mixing liquid REF 54907 (1 litre) REF 54908 (5 litres)	–	–	–	–	–

✓✓✓ optimal · ✓✓ recommended · ✓ suitable

<sup>1</sup> with BegoSol® HE · <sup>2</sup> lift-off procedure · <sup>3</sup> after mixing · <sup>4</sup> only conventional










# Investment materials

Recommended mixing liquid

Partial dentures

3D CAD/Cast®-frames

<div>        </div>						
WiroFine	WiroFast	Wiroplus® S	Wirovest®	Wirovest® plus	VarseoVest P plus	VarseoVest C&B
–	–	–	–	–	✓✓	✓✓✓
–	–	–	–	–	–	–
✓	✓	✓✓	✓	✓	–	✓✓
–	–	–	–	–	–	–
–	–	–	–	–	–	✓✓
✓✓✓	✓✓	✓✓✓	✓✓	✓✓	✓	–
✓✓	✓✓✓	–	✓✓✓	✓✓✓	–	–
✓✓✓	✓✓✓	–	–	–	✓✓✓	✓✓✓
✓✓✓	✓✓✓	✓✓✓	✓✓✓	✓✓✓	–	✓✓
3:30	3:00	4:00	3:00	3:15	4:40	3:15
approx. 140	approx. 141	approx. 130	approx. 115	approx. 120	approx. 145	approx. 140
REF 54348 30 × 200g bag	REF 54834 45 × 400g bag	REF 54353 30 × 200g bag	REF 51046 45 × 400g bag	REF 54821 45 × 400g bag	REF 54910 72 × 250g bag	REF 54894 80 × 160g bag
REF 54345 45 × 400g bag		REF 50248 45 × 400g bag	REF 51057 15 × 400g bag		REF 54911 60 × 300g bag	REF 54895 30 × 160g bag
REF 54344 15 × 400g bag					REF 54912 20 × 300g bag	
✓✓✓ <sup>4</sup>	✓✓✓	✓✓✓	✓✓✓	✓✓✓	–	–
–	–	–	–	–	–	–
✓✓✓	–	–	–	–	✓✓✓	–
–	–	–	–	–	–	✓✓✓

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