



Wirovest® and Wirovest® plus

Conventionally heatable precision casting investment materials for partial dentures

- Tried-and-tested partial denture investment material with simple processing
- Remarkably good results with the gel duplication technique
- Very smooth model surfaces in duplication with silicone, thus also suitable for combination work
- Excellent fit, high edge strength for precise casting results
- Complication-free processing under all laboratory conditions ensures high reproducibility in daily laboratory activities
- Particularly cost-effective thanks to the use of water for pouring the cylinder
- Very clean casting thanks to the minimal reaction between the investment material and the alloy
- Wirovest® plus further development of the tried-and-tested basis Wirovest® amazes with its extended working time for all indications

Conventionally heatable precision casting investment materials

Wirovest® has been known as the classic BEGO partial denture investment material for over 30 years and ensures smooth casting surfaces and precisely fitting partial denture constructions around the world.

Wirovest® impresses with its high reproducibility under all laboratory conditions.

The advantages for you:

- Developed for partial dentures
- Can be processed in the gel duplication technique or in duplication with silicone

Remarkably good results with the gel duplication technique

The comparatively rapid setting of Wirovest® results in pronouncedly smooth model surfaces in the cost-effective gel duplication technique. The models are extremely precise, boast a high edge strength and form the basis for correspondingly precise casting results.

Duplicated in silicone, even the smallest details can be reproduced with a high edge strength and as such provide the prerequisites for the demanding combination technique.

The advantages for you:

- Ideally coordinated setting time
- High edge strength for the reproduction of minute details

Particularly cost-effective mixing thanks to the use of water

Wirovest® and Wirovest® plus can be mixed with just water for pouring the cylinder for the wax-up. The lack of need for a mixing liquid underlines the cost-efficiency of the Wirovest® range and results in excellent deflasking properties.

In model making, the mixing liquid (BegoSol®) is used for expansion control. BegoSol® is mixed to the required mixing ratio using distilled water.

The advantages for you:

- Cost savings as no mixing liquid required
- Excellent deflasking properties

Wirovest® plus – the consequent further development of the tried-and-tested basis Wirovest®

The extended working time of Wirovest® plus facilitates the creation of several models or moulds in one procedure.

Beyond use within the standard partial denture technique, Wirovest® plus is also recommended for the conventional casting of plotted CAD/CAM frames.

The advantages for you:

- Extended working time
- Largest possible range of indications

Tips for application:

- The higher the concentration of BegoSol®, the higher the expansion of the investment material: lowering the concentration thus reduces the expansion
- Note: Processing under constant, comparable processing parameters makes it easy to reproduce casting results



Data		
Physical data	Wirovest® plus	Wirovest®
Working time at 20 °C	Approx. 3 min 15 s	Approx. 3 min
Total expansion in mould at 20 °C	Approx. 2.3 %	Approx. 2.3 %
Mixing liquid BegoSol®	Storage and transport temperature: -10 °C to +35 °C	
Mixing ratio	14/15 ml total volume liquid / 100 g powder	

Key material values according to DIN EN ISO 15912		
Beginning of setting (Vicat time) (40 % BegoSol®, 20 °C)	Approx. 6 min	Approx. 5 min
Compressive strength after 2 hours	Approx. 15 MPa	Approx. 15 MPa
Linear thermal expansion (40 % BegoSol®, 20 °C)	Approx. 1.15 %	Approx. 1.15 %

Wirovest® and Wirovest® plus			
Delivery forms	Weight	Piece(s)/unit	REF
• Wirovest® plus	Box 18 kg	45 × 400 g bag	54821
	Box 6 kg	15 × 400 g bag	54822
• Wirovest®	Box 18 kg	45 × 400 g bag	51046
	Box 6 kg	15 × 400 g bag	51057
	Box 18 kg	4 × 4.5 kg bag	51048
The packages do not contain any mixing liquid.			

Accessories			
• BegoSol® mixing liquid (BegoSol® is frost protected)			
	1 bottle	1 l	51090
	1 bottle	5 l	51091

Subject to modifications in design, scope of delivery and composition. Our instructions for use and recommendations are based on our own experience and trials and can only be regarded as guidelines. Date of issue: March 2014.