

Servo Quick

Speed investment for all metals

Servo-Quick is a phosphate-bonded, graphite-free speed-investment compound for all crown and bridge techniques.

Instruction for use

Use Servo-Quick possibly with a metal ring and a casting ring liner. The ends should overlap approx. 5 to 10 mm. Up to ring size 3, one layer is sufficient, while up from size 6 two layers are necessary. Then, coat it with the dry casting ring liner.

Water provides alterations of the concentration which lead to a loss of quality in the crown margin area.

If needed, spray some wax wetting agent onto the wax-up.

Mixing

Carefully mix by hand 150 g Servo-Quick-Investment with 33 ml Servo-Quick mixing liquid (ring size 3) in a mixing bowl by means of a spatula, until a uniform wetting achieved. The liquid may also be used diluted. The following vacuum mixing process should last at least 60 sec.

Processing time

This is of approx. 5 min. Carefully fill the cast rings on the vibrator and then let them harden for about 20 min, without any vibrations.

Heating

Remove the base and set the ring in the preheated oven, which was set to the desired temperature before. Servo-Quick Investment is suitable also for normal heat processing.

Ring	Liquid	Powder
1	11 ml	50 g
3	33 ml	150 g
6	66 ml	300 g
9	99 ml	450 g

Liquid concentrations

Crowns, bridges, primary components made of precious alloys	50%
Precious alloys for ceramic	60%
Secondary components made of precious alloys	60 – 70%
Crowns, bridges, primary components made of non-precious-alloys	90 – 100%
Secondary components made of non-precious-alloys	90 – 100%

Hold times of the investment rings at final temperature:

Ring size 1 : min. 30 min.

Larger rings: min. 60 min.

The final temperature should be set between 700°C and 900°C (see alloy manufacturer's specifications).

Specifications

Storage:	dry
Storage temperature:	21 – 23°C
Working temperature:	21 – 23°C
Mixing proportions:	150 g powder to 33 ml liquid (may be also diluted)
Mixing time:	60 sec. under vacuum
Processing time:	approx. 5 min (higher temperatures shorten the time)
Setting time:	20 min.
Setting expansion:	1,6 - 2,0 %
Thermal expansion:	1,1 - 1,2 %
Total expansion:	2,7 - 3,0 %



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