



BEGO

DUPLICATING MATERIALS

Partners in Progress





Wirosil®

Universal Duplicating silicone

- Addition-cured two-component silicone that reproduces master models extremely accurately due to its excellent dimensional stability
- 1:1 silicone for manual processing and use in the metering device
- With economy flask and stabilisation insert it enables work to be carried out easily and reliably without wasting material

Product details

Physical data

Processing time	approx. 5:30 minutes
Setting time (22 °C)	30–40 minutes
Mixing time	30 seconds
Recovery following deformation	99,8 %
Contraction (DIN 14356)	0,01 %

Availability	Presentation	Contents	REF
Single pack Wirosil® 1+2	bottle	2 × 1 kg	52001
Large pack Wirosil® 1+2	canister	2 × 5 kg	51995

Accessories

Duplicating flask system small	set	–	52072
Duplicating flask system large	set	–	52083



Wirosil® plus

Fast-setting Duplicating silicone

- Outstanding dimensional stability for extremely precise duplicate models
- 1:1 silicone for manual processing and use in the metering device
- Wirosil® plus has a setting time of just 10 minutes making it ideal for all dental technology work which demands speed as well as uncompromising precision
- Free-flowing consistency and optimal elastic recovery ensure perfect reproduction of combination work with milled surfaces

Product details

Physical data

Processing time	approx. 3:30 minutes
Setting time (22 °C)	10–12 minutes
Mixing time	30 seconds
Recovery following deformation	99,8 %
Contraction (DIN 14356)	0,01 %

Availability	Presentation	Contents	REF
Single pack Wirosil® plus 1+2	bottle	2 × 1 kg	54854
Large pack Wirosil® plus 1+2	canister	2 × 5 kg	54904

Accessories

Duplicating flask system small	set	–	52072
Duplicating flask system large	set	–	52083



WiroGel® M

Environmentally friendly duplicating gel based on agar-agar hydrocolloid for producing models using investment material, plaster and the acrylic casting technique

- For universal use: For all phosphate-bonded investment materials and type 4 plasters as well as the acrylic casting technique
- Highly accurate impression-taking; smooth model surfaces guarantee reliability in use and enable work results which meet the highest demands in terms of precision
- Up to 15 melting cycles mean a very good cost-benefit ratio – suitable for melting in a microwave without compromising quality or precision
- Duplicating with WiroGel® M is more than five times less expensive than with silicone, taking into account the costs for the duplicating unit
- Color geared to contrast optimisation, thus ensuring optimal process reliability
- Ecological – completely biodegradable

Product details

Availability	Presentation	Contents	REF
WiroGel® M	1 tub	6 kg	54351
WiroGel® M	1 tub	10 kg	54354

Accessories

Duplicating unit Gelovit 200	piece	21 kg	26330
Combination duplicating flask	set	–	52090



WiroGel® C

Reversible natural duplicating gel based on agar-agar hydrocolloid for producing models using investment material, plaster and the acrylic casting technique

- For universal use: For all phosphate-bonded investment materials and type 4 plasters as well as the acrylic casting technique
- Highly accurate impression-taking and smooth model surfaces guarantee reliability in use and enable work results which meet the highest demands in terms of precision
- Shortened solidification times thanks to cooling in the fridge or cold water bath
- Up to 12 melting cycles mean a very good cost-benefit ratio – suitable for melting in a microwave without compromising quality or precision
- Natural hydrocolloid for excellent process reliability, particularly with white and light plasters
- Ecological – completely biodegradable

Product details

Availability	Presentation	Contents	REF
WiroGel® C	1 tub	6 kg	54870
WiroGel® C	1 tub	10 kg	54871

Accessories

Duplicating unit Gelovit 200	piece	21 kg	26330
Combination duplicating flask	set	–	52090



Castogel[®] und Castogel[®] mint

Reversible special duplicating hydrocolloid based on agar-agar

- Special duplicating hydrocolloid for sophisticated partial dentures, combination work and the acrylic casting technique
- User-friendly thanks to its high level of impression-taking accuracy, even with the finest of details, and tear-resistant due to its outstanding elasticity. This offers you the necessary reliability and precision in use
- Economical – can be reused up to 10–12 melting cycles
- Ecological – completely biodegradable
- Castogel[®] mint with additional fresh mint fragrance

Product details

Availability	Presentation	Contents	REF
Castogel [®]	1 tub	6 kg	52052
Castogel [®] mint	1 tub	10 kg	52049

Accessories

Duplicating unit Gelovit 200	piece	21 kg	26330
Combination duplicating flask	set	–	52090



Wirodouble[®]

Reversible duplicating hydrocolloid based on agar-agar

- Proven duplicating hydrocolloid for phosphate- or silicate-bonded investment models
- Frequent reusability with up to 10 melting cycles are guaranteed by a high quality standard which makes it a user-friendly and economical product

Product details

Availability	Presentation	Contents	REF
Wirodouble [®]	1 tub	6 kg	52050

Accessories

Duplicating unit Gelovit 200	piece	21 kg	26330
Combination duplicating flask	set	–	52090

Overview BEGO Duplicating Materials

Duplicating Hydrocolloid & Duplicating Silicone

Overview BEGO Duplicating Materials



Indication	Wirosil®	Wirosil® plus	Wirogel® M	Wirogel® C	Castogel®/Castogel® mint	Wirodouble®
Investment material	✓✓✓	✓✓✓	✓✓✓	✓✓✓	✓✓✓	✓✓✓
Plaster	✓✓✓	✓✓✓	✓✓ ¹	✓✓ ¹	–	–
Acrylic casting technique	–	–	✓✓	✓✓	✓	–

Physical data

Melting temperature	–	–	96 °C	96 °C	93 °C	93 °C
Processing temperature	Room temperature	Room temperature	54 °C ²	54 °C ²	42 °C (short term 38 °C)	42 °C
Reusability (minimum)	Single use	Single use	15 melting cycles	12 melting cycles	10–12 melting cycles	10 melting cycles
Accuracy of fit	✓✓✓	✓✓✓	✓✓✓	✓✓✓	✓✓	✓✓
Setting time (min.)	30–40 minutes	10–12 minutes	60–90 minutes	60–90 minutes (approx. 45 minutes ³)	60–90 minutes	60–90 minutes
Suitable for microwave	–	–	✓✓✓	✓✓✓	✓✓✓	–
Hardness/strength	17–20 (Shore-A)	20 (Shore-A)	76 Duro 00	76 Duro 00	72 Duro 00	69 Duro 00
Colour	light blue	medium blue	aquamarine	nature	green	nature

Availability

REF (Content)	REF 52001 (2 × 1 kg)	REF 54854 (2 × 1 kg)	REF 54351 (6 kg)	REF 54870 (6 kg)	REF 52052 (6 kg)	REF 52050 (6 kg)
	REF 51995 (2 × 5 kg ⁴)	REF 54904 (2 × 5 kg)	REF 54354 (10 kg)	REF 54871 (10 kg)	REF 52049 mint (10 kg)	
	REF 52000 (Basic set ⁵)	REF 54903 (Basic set ⁵)				

Accessories

Duplicating unit Gelovit 200 REF 26330	–	–	✓✓✓	✓✓✓	✓✓✓	✓✓✓
Combi duplicating flask REF 52090	–	–	✓✓✓	✓✓✓	✓✓✓	✓✓✓
Wirosil® Duplicating flask system small REF 52072	✓✓✓	✓✓✓	–	–	–	–
Wirosil® Duplicating flask system large REF 52083	✓✓✓	✓✓✓	–	–	–	–

✓✓✓ optimal · ✓✓ recommended · ✓ suitable

¹ When using plaster, use only plaster grade 4

² High processing temperature for best stability in the processing of self curing acrylic using for full dentures technique

³ Shortened solidification times thanks to cooling in the fridge or cold water bath

⁴ Adjusted weight

⁵ 1 bottle each 1 kg, 1 measuring and mixing cup, 1 spatula, 1 duplicating flask small, 1 duplicating flask large, 1 spray bottle Aurofilm wetting agent, 1 spray bottle Durofluid model spray, 1 instruction for use



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