

Verarbeitungsanleitung / Instructions of use / Istruzioni per l'uso
Mode d'emploi / Instrucciones de uso

für / for / per / pour / para

Dubliergel - Artikel 10006

Dubliergel, grün
Gel for duplication, green
Gel pour duplication, vert
Gelatina per duplicazione, verde
Gelatina para duplicación, verde



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Operating Instruction

1. General terms:

- 1.1. Product description:** Duplicating GEL is an Agar Agar duplicating material for use with gypsum models, gypsum and phosphate bound investments and autopolymerised (cold) acrylic of the Gebdi company.
- 1.2. Delivery form:** Duplicating GEL in a bucket of 6 kg green Art. Nr. 10006
- 1.3. Manufacturer:** GEBDI Dentalproducts GmbH - Industriestraße 3A; 78234 Engen/Germany
Tel.: 07733-9410-16 Fax: 07733-6434
- 1.4. Storage:** Store at room temperature at least +10° C up to + 30° C
Protect from UV radiation and sunlight. Cover well closed after usage, product might get dried !

2. Use according to determinations :

Duplicating Gel is used for the production of duplicate models made of gypsum/phosphate bound investment/acrylics. Duplicating Gel mold surfaces do not need to be treated with any additional special solution. Duplicating Gel is very fluid, volume stable and the contours of the duplicate models are very well defined, in addition to a very smooth surfaces. Duplicating Gel is suitable for producing refractory models for framework castings such as with the Cold Cure Acrylic of Gebdi, Prothepress, item no. 10111 (Opaque), 10113 (transparent), 10115 (Transparent Veined) and it's monomer item no. 10101. For the isolation of the models we suggest to use the Gebdi Fol item no. 10000.

Duplicating Gel is an elastic reversible hydrocolloid, due to the natural ingredients and preservatives it is well protected against fungal attack. When handle with care and correctly the Gel guarantee a long life. Ensure that unqualified persons (e.g. children) do not come into contact with this product

3. Operating instruction:

3.1. Preparation

Cut the Gel into small pieces and put it into the duplicating unit. Set the melt temperature on automatic duplicator to 93,5°C and the pouring temperature to 48°C. Gel can be also melted in a microwave or a hot water by setting the necessary temperature.

3.2. Duplicating

Soak model prior to duplication, clean it and place the duplicated gypsum model for 30 minutes in warm water 40 – 45°C. After soaking remove excess water and secure the model to metal duplicating flask base and put top into place. Duplicating material should be stirred continually during melting and cooling. Carefully pour duplicating material into one side only of the metal flask, and allow flask to bench cool for 30 minutes. If a plastic duplicating flask has been used, the setting time must be extended for up to 15 minutes of regular time. After approx. 1 hour, investment is than mixed according to the manufacturer suggested ratio and poured at room temperature into the clean, dry mold. After the required setting time, the duplicating material is removed from the flask and carefully peeled away from the model.

3.2. Re-use

Duplicating Gel can be melted repeatedly. Clean the used gel material under running water immediately after the models have been removed, cut it into small pieces and put into the duplicating unit without water.

Note: Correct use and storage of the Gel will prolong its durability. Gel which has been used for phosphate casting investments must not be used for gypsum or gypsum bound investment materials.

3.3 Problems and solutions

When the setting time of the duplicating material is too long or too short, models must be steam-cleaned from alginate and remainders saliva before duplicating. Do not duplicate models which are too moist otherwise the model surfaces will be soft and scaly. In case of a viscous duplicating material, add 10-25ml of water per 1Kg.

4. Waste disposal:

The Duplicating Gel may be disposed together with normal domestic refuse.
The empty packaging should be disposed after use according to local regulations.

5. Shelf life:

24 months in the unopened original packaging stored at room temperature.

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