

The reversible agar-agar gel material **SHERAHYDROKOL** has been developed for the production of gypsum models. **SHERAHYDROKOL** can be used in any conventional gel material appliance. However, in order to make considerable savings, we recommend processing **SHERAHYDROKOL** in standard microwave appliances.

General information on handling

1. When first melting, add **water**. (add 50 ml water to 300 g Hydrokol, add 1 l water to 6 kg Hydrokol)
2. The melting temperature is 90°C. **It must not exceed 95°C** as the material would then be damaged.
3. Allow the gel machine to stir until the gel has liquefied.
4. It is advantageous to brush over the gypsum model with the product model glazer before doubling with **SHERAHYDROKOL** (even smoother surface).
5. Place model in lukewarm water for 15-30 minutes.
6. **Processing temperature:** 45-50°C; diluting with water reduces the processing temperature.
7. **Hardening time:** min. 60 minutes, if possible leaving to dry naturally.
8. Before pouring into the gypsum it is essential that the gel material is dry and is at least at room temperature (22-23°C). This applies in particular when the gel material has been placed in a cold water bath to cool down.
9. **Re-melting:** add approx. 50-100 ml water to 3000 ml **SHERAHYDROKOL**.

Heating in the microwave

The information below refers to a commercially available 800 watt microwave:

1. Cut **SHERAHYDROKOL** into small pieces and pour water over them. Stir and pour off water again. In a suitable container (e.g. glass beaker; **no metal!**), heat on full power for approx. 60 seconds.
2. Remove material and stir for approx. 30 seconds.
3. Heat material once more for approx. 30 seconds on full power (ideally to 90°C)
If a less powerful microwave is being used, steps 2 and 3 can be repeated until the material has reached a temperature of approx. 90°C (maximum 95°C) and **SHERAHYDROKOL** is completely melted. This depends on the performance of the microwave, quantity and size of the agar-agar pieces.
4. For further treatment, please refer to the general information on handling above from step 4.

Warranty

SHERA is ISO 9001 certificated and guarantees, due to a thorough quality control system, a flawless quality of its products. All instructions for use are based on the results of our test laboratories. The technical data given can only be guaranteed if the processing is carried out as mentioned. We are not liable for faulty results as SHERA has no influence on the processing. Should any claims arise they are valid for the value of products only.

