

Indication

SHERAHYDROKOL is an agar-agar duplicating material for the manufacture of plaster models. Our reversible agar-agar duplicating materials are distinguished by a long life span and an exact moulding. They are adapted for both: conventional heating in duplicating devices as well as heating in microwaves.

Application:

1a. Heating in duplicating units

- Cut SHERAHYDROKOL into small pieces for pouring it into the duplicating unit.
- Fill duplicating material into the duplicating unit.
- For the first melting water should never be added.
- The ideal melting temperature is 96°C (204,8°F); but it should not be exceeded in order to avoid damaging the material.
- The duplicating unit should be kept stirring until the duplicating material is very thin (important). If this is ignored, the duplicating material flows out later not running, but in lumps.
- For further processing see point 2.

2b. Heating in the microwave

The following information relates to a commercially available microwave oven of 800 watts:

- Cut the material into small pieces.
- Heat about 60 seconds in a suitable container (e.g. cup, no metal!) at full power.
- Remove agar-agar and stir for approx. 30 seconds.
- Heat agar-agar again about 30 seconds at full power.
- These steps can be repeated until the mixture is completely melted. This depends on the power of the microwave, the quantity and size of the agar-agar pieces.
- For further processing see point 2.

2. Further processing

- Put model for 15-30 minutes into lukewarm water.
- Processing temperature of duplicating material: 48-50°C (118,4-122°F).
- Setting time: at least 60 minutes (preferably in the air).
- Prior to filling into the duplicating moulding the duplicating material needs to be dried at room temperature, otherwise the plaster will adhere as a film to the duplicating material.
- If the duplicating material is provided for cooling in a cold water bath, the duplicating material must also be set to room temperature before filling.
- Remelting: If necessary, water can be added to the duplicating material.

Warranty

SHERA Werkstoff-Technologie GmbH & Co. KG is certified according to DIN EN ISO13485 and guarantees for the products, due to a thorough quality control system, a flawless quality of its products. Our instructions for use are based on the results of our test laboratory. The technical data given can only be guaranteed if the processing is carried out as mentioned. The user is self-responsible for processing of the products. We are not liable for faulty results as SHREA has no influence on the processing. Nevertheless possibly arising claims for damages relate to the value of the products only.

