

# DUOSIL S / H / D / EXPRESS / EXTRA HART

## INSTRUCTIONS FOR USE

### 1. Indication

DUOSIL is a duplicating system based on a high quality vinyl silicone.

### 2. Advantages

No shrinkage. Does not corrode acrylics and resins. Does not change shape even after weeks. Bubble free reproductions. Easy to handle. No health risks. Tear-resistant and pliable with a high elastic recovery; therefore no difficulties when removing undercut models from the silicone shape.

DUOSIL S Shore hardness 9 is especially characterized by its low shore hardness as well as its high fluidity.

DUOSIL H Shore hardness 17 is even suitable for models with undercut thin dies.

DUOSIL S / H are especially suitable for mixing by hand (spatula), but even better under vacuum.

DUOSIL D Shore hardness 22 is characterized by a fast recovery and is even suited to dies for the galvano technique.

DUOSIL D is particularly compatible with silicone dispensing systems.

DUOSIL EXPRESS Shore hardness 22 has a demould time of approx. 9 minutes. (It is not suitable for silicone dispensing systems.)

DUOSIL EXTRA HART Shore hardness 32 is even suitable for use in sleeve systems.

### 3. Processing

Mix component A and B in the ratio 1:1 (in g or ml). Fill the duplicating tray from a height of 10 - 20 cm onto one spot in the duplicating tray. The model can be removed after approx. 20 minutes (DUOSIL EXPRESS: approx. 9 - 12 minutes).

After having removed the plaster model let the silicone shape rest for approx. 15 minutes (DUOSIL EXPRESS: approx. 5 minutes) (elastic recovery).

In combination with our high precision SHERA model casting investment materials high quality reproductions are guaranteed.

In case of working with the silicone shore hardness 9 we recommend to use the stabilization element, but in case of the silicones shore hardness 17 and 22 to work without this element.

When using DUOSIL in combination with SHERACAST-investment materials there is no need for preheating the model in a heating cabinet or dipping it into immersions hardener (this saves working time).

#### Important

For perfect polymerisation it is essential that the silicone has a temperature of at least 20 - 23°C.

Avoid exchanging bottle lids after use (Contamination or the components could lead to premature polymerisation of the product).

### 4. Warranty

SHERA Werkstoff-Technologie GmbH 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 SHERA has no influence on the processing. Nevertheless possibly arising claims for damages relate to the value of the products only.

