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## **KNEADABLE SILICONE WITH HARDENER**

It is a two-component paste rubber (base and catalyst) which, thanks to its special formulation, allows the creation of large and light shapes directly on vertical surfaces, copying even the smallest details. Thanks to these unique properties, for over 20 years it has been the most widely used rubber by the sculptors and foundries of Pietrasanta and the most widely used in the Academies of Fine Arts.

Silicone Resilstuc allows you to make moulds of any type and size and is particularly suitable for making works in plaster, resin, wax, soap.

### **HOW TO USE**

Take the two components (silicone rubber = BASE and tube hardener = Catalyst). The BASE component is a paste with a very light grey colour, while the Catalyst component is yellow.

The two components must be mixed with your hands in a ratio of 100: 5 (5 catalyst units for every 100 parts by weight). For example, if you obtain 100 g of base, 5 g of catalyst must be added. This ratio must be respected to guarantee the final characteristics of the product.

(Note: Do NOT exceed the recommended ratio for the hardener). Instead, it is possible to use the hardener in a percentage lower than 3-4% compared to the recommended ratio (5%), increasing the curing times.

- Step 1. After wetting your hands with water, add the two components together according to the proportions and mix vigorously until the mixed white color is homogeneous. Once the product is well mixed, it can be applied directly to the model.
- Step 2. To make the application easier and to avoid wasting the product, we recommend mixing small balls with a diameter of 3-4 cm and making a mould with a maximum thickness of 1 cm.
- Step 3. The working time (WT), i.e. the time available to apply all the mixed material, is 30 minutes.
- Step 4. Full cure time (ST) is approximately 5 hours after mixing the two components.
- Step 5. In the event that the amount of silicone used is less than necessary, complete the mold by adding the missing amount of silicone within 24 hours of curing the first layer of silicone, making sure the surfaces are dust-free and dry.
- Step 6. once hardened, the model can be separated from the mould.

### **Effects of temperature on solidification times (ST) and processing times (WT) :**

The working and curing time are reduced if the temperature is higher than 23°C (for example, if the temperature is 40°C, the working and curing time is approximately halved). If the temperature is lower than 23°C, the working and curing time increase significantly.

The made moulds can have a linear shrinkage of 0,2-0,5%.