

## Silicon Condensatie 20

This silicon are ideal for making soap moulds, candle moulds, concrete moulds etc.

### Description

The silicone Condensation 20 - A + B is a 2-component (poly-condensation curing) castable molding silicone which cures at room temperature. The silicone has a good fluidity and gives great detail while still remaining strong. Silicone C 20 -A + B are excellently suited for the casting of e.g. cement, plaster, wax, soap, and many other casting materials.

### Technical Data

Mixing ratio (by weight)	[A:B]	100:2 (1.5~3)
Pot life at 20°C	[Min]	60
Demolding at 20°C	[Hours]	14
Full strength after	[Days]	3
Hardness	[Shore A]	23-28
Viscosity at 20°C	[mPa s]	25.000 +/- 2.000
Tear strength	[Kg/cm2]	43,2

**Note:** Pot life and de-mould time are highly dependent on the mixing ratio and Humidity! By adding more than 2% silicone B (hardener) or at high humidity, the pot life and de-mould time are shorter.

### Processing

The silicone C 20 - A + B can easily be mixed by hand or by machine.

Mix the A and B component carefully and in the indicated ratio (preferably 2%, you can add between 1.5-3% B comp)

Example: To 1 kg of A-Comp add preferably 20 grams of B-component. You can vary between 15 grams (1.5%) up to 30 grams (3%). Less or more will inhibit cure or alter the final properties of the rubber.

At 1.5%, the silicone will take longer to harden giving air bubbles more time to escape. with 3% B component the silicone will cure considerably faster. Process the mixture in the pot life and never take more than you can handle within pot-life.

Only de-mould after a complete cure. If you wish to make a mold by using a brush or spatula you need to add a 3rd component (0.6% -2% Thixo C). Thixo C thickens the mixture and makes it possible to set up the silicone against vertical surfaces. Please be aware that the mold in this case must be provided with a support cap. This support cap may consist of gypsum bandages or epoxy support cover or acrylic resin with glass fibre fabric.

### Packing

The package contains 1 kg A-component and 20 g B-component.

### Shelf life

Provided that the silicone is tightly sealed and stored in a cool and frost-free location, the shelf life is at least 1 year.

### Safety

If you frequently work with the silicone is recommended to use protective gloves and to properly ventilate the area. For safety instructions, always read the safety data sheet.

## Characteristics

- Easy to mix
- After curing strongly
- Low shrinkage (<0.3%)
- Color White

