



## Characterize

- Easy to process moldable paste
- Reasonably resistant to acidic/aggressive substances
- Smaller decrease (< 0.1%)

## Stensil ECO Silicones

The Stensil ECO silicones are malleable 2 component (poly-addition) silicones that cure at room temperature. The silicones are very easy to mix and process by hand. The silicones are ready for use after just under 5 minutes.

These silicones are mainly known from the dental industry / orthodontics and can also be used for podiatry and ordinary moulds.

- Easy to process moldable paste
- Reasonably resistant to acidic/aggressive substances
- Slight decline (<0.1%)
- Mixing ratio: A:B= 1:1
- Complete strength after: 1 day
- Flowability: Paste

### Technical dating

No	Shore hardness	Color	Processing time @20°C	Curing time @20°C	Density @20°C
Stensil ECO 20	20	Orange	1.5 minutes	5 minutes	1.68 g/cm <sup>3</sup>
Stensil ECO 30	30	Sand	1.5 minutes	5 minutes	1.68 g/cm <sup>3</sup>
Stensil ECO 50	50	Turquoise	1.5 minutes	5 minutes	1.63 g/cm <sup>3</sup>
Stensil ECO 50 L	50	Rose	10 minutes	60 minutes	1.63 g/cm <sup>3</sup>
Stensil ECO 60	60	Orange	1.5 minutes	5 minutes	1.64 g/cm <sup>3</sup>
Stensil ECO 70	70	Blue	1.5 minutes	6 minutes	1.68 g/cm <sup>3</sup>
Stensil ECO 95	95	Blue	1.5 minutes	4.5 minutes	1.72 g/cm <sup>3</sup>

Note: The pot life is strongly temperature-dependent! At a higher temperature, the processing time and drying time are shorter.

### Processing

The Stensil ECO can be easily mixed with the (clean) hand. Knead components A and B carefully and in the specified ratio (1 part A and 1 part B weight). Process the silicone within the processing time and wait with the demolding until the whole thing is completely cured.

Note: This is a Platinum Silicones. These silicones can be poisoned by sulfur, nitrogen, amino compounds and metal salts. If you're not sure if the products you use (including gloves, spatula, and MUGS) contain these ingredients, do a little test first. These substances are found in many latex gloves, some plastilins, paints and adhesives, condensation silicone, 1-component silicone sealant, natural rubber and 3D printing material (especially stereolithography). If you still want to use this, you need to apply a protective layer of [Polyvinyl Alcohol](#).

### Shelf life

If the silicone is stored in (re)closed packaging, refrigerated and frost-free, the shelf life is at least 1 year.

### Safety & Safety

If you often work with the silicone, it is recommended to wear gloves during processing and ventilate the room well. Safety instructions can be found in the safety data sheet.