

# SILISIL RTV MD-Soft 10 Addition Crosslinking

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## Description:

**SILISIL RTV MD-Soft 10 is a pourable, room-temperature vulcanizing, two-component, addition-based silicone (RTV 2).**

**The product has a low viscosity and is particularly suitable for special effects and body casting applications. The product offers the following advantages:**

- Excellent detail reproduction
- Low Shore A hardness (~10) – very soft and flexible
- Vulcanization at room temperature (23 °C)
- High tensile strength combined with high elasticity
- Very high elongation at break (~600 %)
- Temperature resistant from -40 °C to +200 °C

## Main areas of application:

- Body casts for special effects (film, theatre, mask making)
- Production of skin-like silicone applications
- Applications with very soft, highly flexible silicones

## Surface preparation:

The surfaces to be reproduced must be clean, dry, and dust-free. Ideally, work at room temperature (approx. 23 °C) to ensure consistent processing and curing times.

## Mixture and application:

1. **Preparation:** Shake or stir both components (base and catalyst) well before use to ensure a homogeneous consistency.
2. **Mixing:** Weigh the base and catalyst precisely **by weight in a 1:1 ratio** (maximum tolerance ±5%). Mix the components thoroughly, carefully incorporating the mixture into the container walls and bottom.
3. **Optional addition: SILISIL Deadner** can be added to adjust the hardness and feel:
  - 10 % for a soft consistency
  - up to 30 % for extremely soft, "skin-like" or burnt effects
4. **Processing:** Pour the mixed silicone slowly, ideally from a height of about 30 cm, into the prepared mold to minimize air bubbles.
5. **Curing:** Vulcanization takes place at room temperature (23 °C). Demolding is possible after approximately 30 minutes. Note that lower temperatures significantly extend the pot life and curing time, while higher temperatures shorten them.

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### Technical Data:

<b>Color (base)</b>	Translucent
<b>Color (catalyst)</b>	Translucent
<b>Paint (mixture)</b>	Translucent
<b>viscosity of the mixture</b>	4,500 mPa·s (Brookfield)
<b>Density of the mixture</b>	1.08 g/cm <sup>3</sup> (at 23 °C)
<b>Mixing ratio</b>	1:1 by weight
<b>Pot life (at 23°C)</b>	approximately 7 minutes
<b>Demolding time (at 23°C)</b>	approximately 30 minutes
<b>Complete curing (at 23°C)</b>	approximately 24 hours
<b>Hardness ( Shore A)</b>	approx. 10 (according to ASTM D 2240)
<b>Tear resistance</b>	approx. 3.5 N/mm <sup>2</sup> (according to ASTM D 412)
<b>Elongation at break</b>	approx. 600 % (according to ASTM D 412)
<b>Tear resistance</b>	11 N/mm (according to ASTM D 624)
<b>Temperature resistance</b>	-40 °C to 200 °C

### Packaging:

SILISIL MD-Soft 10 is available as standard in 1kg + 1kg, 5kg + 5kg and 25kg + 25kg containers. Other container sizes are available upon request.

### Safety instructions:

Before handling the product, read the safety data sheet and ensure that you have all the information required for safe use.

### Important Note:

This document contains information provided to the best of our knowledge and belief, based on the current state of our understanding. This information is for guidance only and does not constitute any obligation on our part, particularly in the event of an infringement of third-party rights through the use of our products. This information should be supplemented by preliminary testing to ensure the product's suitability for its intended purpose.