

# SILISIL RTV ZCX 15-3 Condensation-curing

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## Description:

**SILISIL RTV ZCX 15-3 is a pourable, room-temperature vulcanizing, two-component, condensation-based silicone (RTV 2). The product offers the following advantages:**

- Vulcanization at room temperature (23°C)
- Low Shore A hardness (approx. 14 ShA )
- High tear resistance
- Small dimensional change
- Good mechanical resistance
- No ventilation required
- Vulcanization without exothermic reactions

## Main areas of application:

- Industrial applications where low dimensional change, high mechanical resistance and long mold life are required.
- The product does not show any inhibition problems with common materials such as clay, plaster, cement, etc.
- **Important:** Please use a suitable release agent to protect the silicone mold from contact with epoxy, polyester, and PU resins. A preliminary test is recommended, especially for first-time use.

## 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.

## Mixing and application:

1. **Preparation:** Shake or stir both components (base and catalyst) well before use to eliminate possible sedimentation and to homogenize the components.
2. **Mixing:** Mix 1 part of the catalyst (component B) with 10 parts of the base (component A) by weight. Maintain this ratio precisely to ensure the final product properties. Mix the components thoroughly until a completely homogeneous green color is achieved.
3. **Processing:** Pour the mixed silicone slowly, ideally from a height of about 30 cm, into the prepared mold to minimize air pockets.
4. **Curing:** Vulcanization takes place at room temperature (23°C). Demolding is possible after approximately 12 hours. Full curing is achieved after approximately 72 hours. Please 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</b>	Green
<b>Viscosity of the mixture</b>	22,000 mPa s (Brookfield)
<b>Density of the mixture</b>	1.15 g/cm <sup>3</sup> (at 23°C)
<b>Mixing ratio</b>	10:1 by weight
<b>Viscosity Base</b>	52,000 mPa s (Brookfield)
<b>Pot life (at 23°C)</b>	>2 hours
<b>Demolding time (at 23°C)</b>	approx. 12 hours
<b>Full curing (at 23°C)</b>	approx. 72 hours
<b>Hardness ( Shore A)</b>	approx. 14 (according to ASTM D 2240)
<b>Tear resistance</b>	>3.3 MPa (according to ASTM D 412)
<b>Elongation at break</b>	approx. 525% (according to ASTM D 412)
<b>Tear resistance</b>	21.7 N/mm (according to ASTM D 624)
<b>shrinkage</b>	small amount
<b>Temperature resistance</b>	-40°C to 200°C

### Packaging:

SILISIL ZCX 15-3 is available in 200 kg drums as standard. 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 necessary for safe use.

### Important NOTE:

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