

SILISIL RTV PP-Soft 00

Technical Data Sheet

1. DESCRIPTION

SILISIL RTV PP-Soft 00 is a transparent, pourable, addition-crosslinking, two-component silicone that vulcanizes at room temperature. It has the following special properties:

- Softness
 - Good mechanical properties
 - Isolation and disposal of properties
 - Good elasticity
 - Fast curing
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2. MAIN AREAS OF APPLICATION

- Podiatry
 - Special applications
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3. MIXING AND APPLICATION

Surface preparation

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

1. **Preparation:** Before use, shake or stir both components (base and catalyst) well to ensure a homogeneous consistency.
 2. **Mixing:** Weighing the base and catalyst precisely **in a 1:1 ratio** (maximum tolerance $\pm 5\%$). Thoroughly mix the components and carefully distribute the mixture on the walls and bottom of the container.
 3. **Processing:** Pour the mixed silicone slowly, ideally from a height of about 30 cm, into the prepared mold to minimize air bubbles.
 4. **Curing:** Vulcanization takes place at room temperature (23 °C). Demolding is possible after approximately 1 hour.
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4. IMPORTANT RECOMMENDATIONS

- Before handling the product, read the safety data sheet and make sure you have all the information required for safe use.
 - The platinum catalyst is contained within the component catalyst. The catalyst and base components may only be used together if they have the same batch number.
 - Test the product in small quantities first before using it on a larger scale.
 - To ensure the final properties of the product, the exact mixing ratio of 1:1 must be maintained.
 - It is recommended to remove any air bubbles that may be present using a vacuum.
 - If necessary, use compressed air to facilitate separation. Do not use tools to forcibly remove the model from the mold.
 - If the amount of silicone used is insufficient, fill the mould with the missing amount within 24 hours of the first silicone layer curing. The second layer will then bond seamlessly with the first without affecting the final result.
 - Petroleum jelly could interfere with the product's vulcanization. Therefore, conduct a small test first.
 - The processing time WT (see table below), also called " pot life ", is the recommended time for mixing/vacuuming before pouring.
 - To extend the processing/setting time of RTV2 silicones, you can add SILISIL Delayer PA to the catalyst. Further information can be found in the SILISIL Delayer PA technical data sheet or obtained from your technical contact at SILITECH AG.
 - At temperatures above 23 °C, processing and setting times are reduced (e.g., they are halved at 40 °C). At temperatures below 23 °C, however, they are significantly extended.
 - Close the bottles after use. Do not switch the caps or lids between the base and catalyst.
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5. TECHNICAL DATA

Component catalyst (unhardened)

Characteristics	Specifications	Analytical method
Color	Translucent	Visually
Density (23 °C)	1.03 g/cm ³	

Component base (unhardened)

Characteristics	Specifications	Analytical method
Color	Translucent	Visually
Density (23 °C)	1.03 g/cm ³	

Base + catalyst (cured components)

Characteristics	Specifications	Analytical method
Color	Translucent	Visually
viscosity of the pre-catalytic mixture	1500 cP	Internal method (Brookfield)
Mixing ratio	1:1	
Density (23 °C)	1.03 g/cm ³	
Working time/pot lifespan (23 °C)	6 feet	Internal method (Brookfield)
Setting time (23 °C)	1 hour	
Shore 00 hardness (after 24 hours, 23 °C)	40 sh00	ASTM D2240-05
Fully vulcanized (23 °C)	12 hours	
Tensile strength (23 °C)	1.1 N/mm ²	ASTM D412
Elongation at break (23 °C)	400%	ASTM D412
Tear strength B (23 °C)	1.5 N/mm ²	ASTM D624

6. PACKAGING

SILISIL RTV PP-Soft 00 is available as standard in containers of 1 kg + 1 kg, 5 kg + 5 kg and 25 kg + 25 kg. Other container sizes are available upon request.

7. SAFETY INSTRUCTIONS

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

8. IMPORTANT NOTE

This document contains information provided to the best of our knowledge and belief, based on our current 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. In addition to this information, you should conduct preliminary tests to ensure the product's suitability for its intended purpose.
