

SILISIL RTV MD-Skin 10 Addition-curing

Description:

SILISIL RTV MD-Skin 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:

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

Packaging:

SILISIL MD-Skin 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:

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