



In short

Body Casting Silicone 22 is a thixotropic, addition-curing two-component silicone rubber (RTV-2) that vulcanizes at room temperature. Formulated specifically for skin contact and body casting applications.

Application

Ideal for body casting applications and creating direct molds from human skin. Thanks to its thixotropic nature, it does not drip when applied to vertical surfaces. Offers excellent skin compatibility, dimensional stability, and high mechanical properties.

Properties

- Thixotropic (does not run on vertical surfaces)
- Skin contact compatible
- High tensile and tear strength
- Excellent dimensional stability
- High resistance to ageing

Usage

The platinum catalyst is contained in the Catalyst component (Component B). Base and Catalyst components may only be used together if they have the same batch number.

1. Shake or stir both components in their containers prior to mixing to ensure homogeneity.
2. Weigh equal amounts of Base (Component A) and Catalyst (Component B) in an exact 1:1 weight ratio (a 5% error margin will not alter results).
3. Ensure mixing containers and tools are completely clean, dry, and free of grease.
4. Mix energetically, thoroughly scraping the bottom and sides of the recipient until a homogeneous pink color is achieved.
5. Apply the silicone within the working time of 10 minutes.
6. Note: Certain Vaseline oils or other substances may inhibit curing. Perform a small test prior to full application.

Effect of temperature: Temperatures above 23 °C reduce working time and setting time (e.g.,

approximately halved at 40 °C). Temperatures below 23 °C increase working and setting times considerably.



Technical details

Property	Value
Color Component A (Catalyst)	White
Color Component B (Base)	Pink
Mixed Color	Pink
Mixing Ratio	1:1 (by weight)
Density at 23 °C	1.14 g/cc
Working time / Pot life at 23 °C	10 minutes
Setting time at 23 °C	25 minutes
Shore A Hardness after 24 hours (ASTM D2240)	22 shA
Tensile Strength (ASTM D412)	2.5 N/mm ²
Elongation at break (ASTM D412)	360 %
Tear strength Die B (ASTM D624)	14 N/mm
Temperature resistance (cured)	-40 °C to +200 °C

Handling

Read the safety data sheet (SDS) before handling the product and follow all safety recommendations.

Storage and shelf life

Store in a cool, dry place between 5 °C and 27 °C. Close containers after use and do not invert caps between base and catalyst. Guaranteed shelf life is 18 months from production date under correct storage conditions.