

SILICONES

and more

Characteristics

- Safe to use on the skin
- Thixotropic
- High mechanical properties
- High dimensional stability
- High resistance to aging

Silicone Addition curing SkinForm

SkinForm is a 2 component room temperature addition curing thixotropic silicone. Extremely suitable for body casting. The silicone is safe to use on the skin. These medium hard silicones have high dimensional stability and a high resistance to aging after curing.

Technical data

- Shore (A)22
- Color A Comp.Pink
- Color B Comp.White
- end ColorLight pink
- cured density1.14 g/cm²
- viscosity mixturePasty
- Mixing ratio A/ B1:1
- Working Time10 minutes
- Curing timeafter 25 minutes gently, completely after 24 hours.
- tensile strength2.5 N/mm²
- extensibility360%
- tear Strength14 N/mm
- Linear shrinkage<0,1%

Processing

Mix the silicone well in the indicated ratio by weight. This is best done by hand, because with a machine too much air would be mixed into the silicones.

Preferably work with 2 people and a model. 1 person mixes the silicone, the other applies it to the model.

Coat the model with Vaseline or hair release if the silicone is used on slightly hairy or short hair. We do not recommend this product for long hair. In that case, use a [baldcap](#).

Note: The processing time and de-mold time are indicated at 20 degrees and will be shorter in a warm environment or on warm skin.

Use a support hull! The silicone copies very small details, but does not retain its shape. A support cap must be used for this. Preferably the support cap is made of [plaster cast](#). Apply while the silicone has hardened and is still on the body. Try to make the support cap in 2 or more pieces. This gives better results. Plaster cast does not adhere to the silicone.

Note: This is an addition silicone. These silicones can be poisoned by sulfur, nitrogen, amino compounds and metal salts. If you are unsure whether the products you are using (including gloves, spatulas and cups) contain these ingredients, do a small test first. These substances are found in many latex gloves, cigarette smoke, some plastilines, lacquers and glues, condensation silicones, 1 component silicone sealant, natural rubbers and 3D printing material (especially stereolithography).

Shelf life

Provided the silicone is stored cool and frost-free in closed packaging, the shelf life is at least 1 year.

Security requirements

These silicones are skin-friendly, but as always applies: If you frequently work with the silicone, it is recommended to wear gloves during processing and to ventilate the room well. For safety instructions, see the safety data sheet.