

SILICONES

and more

Wacker Elastosil FX siliconen

Description

ELASTOSIL® FX platinum curable silicone rubbers are used to create realistic skin effects for e.g. film, television and theater... Use the range of base rubbers, gels and additives to achieve amazing results for example: FX make-up / lifecasting, masks, body parts / prosthetic effects, wounds and scars.

The silicone gives good adhesion to Glatzan, Super Baldiez and similar products and is skin-friendly. This FX system is easy to speed up, slow down, soften and thicken.

Technical information

Property	Eenheid	FX 10	FX 20	FX 28	FX 30 Gel
Mixing ratio by weight	A:B	1:1	1:1	1:1	1:1
Processing time @ 23°C	Minuut	8-12	8-12	10-15	8-12
Uithardingstijd bij 23°C Curing time @ 23°C	Minuut	45	45	60	45
Density @ 23°C	g/cm ³	1,06	1,10	1,10	1,06
Farbe		Translucent	Translucent	Translucent	Translucent
Viscosity of mixture	mPa·s	5000	6000	10000	4000
Elongation	%	750	600	500	600
Tensilestrength	N/mm ²	3.5	5.5	6	1.5
Hardness	Shore A	A-10	A-20	A-28	OO-30

Processing

Mix the silicone well by hand in a ratio of 1:1 by weight, so eg 100 grams A with 100 grams B. When using a color in 1 of the two components, it is easy to see when enough has been mixed.

The Silicone A transparent can easily be mixed by hand or by machine. Mix the A and B component carefully and in the indicated ratio (1 part A and 1 part B by weight). The silicones can now be used or further modified with the Wacker FX additives.

Extra information

The best way to avoid trapping air bubbles is to vacuum the silicone immediately after mixing. To avoid air bubbles, stir the A and B components well but slowly without knocking in air. It is best to make a "figure-8" movement.

Important

This is an addition silicone. These silicones can be poisoned by sulfur, nitrogen, amino compounds and metal salts. If you are not sure whether the products you use (including glues, lacquers, gloves, spatulas and cups) contain these ingredients, do a small test first.

Shelf life

ELASTOSIL® FX Silicone A/B is best stored between 5°C and 30°C in the tightly closed original packaging. The expiration date of each batch is printed on the product label. Storage after the date stated on the label does not necessarily mean that the product is no longer usable. In this case, however, the properties required for the intended use must be checked for quality assurance reasons.

Safety measurements

Components A and B of the addition curing class ELASTOSIL® FX Silicone A/B contain only components that have not been shown to be toxic or aggressive over many years. No special precautions for handling are therefore required, i.e. only general industrial hygiene practices apply. Detailed safety information is included in the safety data sheet.



Properties

- Safe to use on the skin
- Very good flowability and self-venting
- Different hardnesses
- Easy to dose and mix thanks to the 1:1 ratio
- Short curing time at room temperature
- Transparent
- Easy to color