

Zhermack ZA 10 Orange

Pourable platinum-cure silicone, Shore A 13, for mould making


1:1

Mix ratio (weight)

15 min

Pot life at 23 °C

120 min

Cure time at 23 °C

13

Hardness (Shore A)

DESCRIPTION

Pourable two-component addition-cure silicone that cures at room temperature. ZA 10 Orange has a relatively low viscosity, high tear strength and good elastic recovery. It is suitable for mould making and compatible with plaster, coatings, polyurethane resins and acrylic resins. The platinum catalyst is in the Catalyst component.



VIEW ONLINE

Scan the QR code or [click here](#) for prices, pack sizes and the SDS.

FEATURES

- ✓ Relatively low viscosity
- ✓ High tear strength
- ✓ Good elastic recovery
- ✓ Easy mixing: 1:1

TECHNICAL DATA

Property	Unit	Value
Mix ratio A:B (weight)	–	1:1
Pot life at 23 °C	min	15
Cure time at 23 °C	min	120
Hardness after 24 h	Shore A	13
Mixed viscosity	mPa·s	4500
Density base / catalyst at 23 °C	g/cm ³	1.10
Colour base / catalyst	–	Orange / white
Cured colour	–	Orange
Tensile strength	N/mm ²	6
Elongation at break	%	350
Tear strength	N/mm	14
Service temperature	°C	–40 to 200
Flash point base / catalyst	°C	> 135
Storage temperature	°C	5 to 27
Shelf life	months	12

Typical values, measured after 24 h vulcanisation at 23 °C. Not intended for use in preparing specifications.

PROCESSING

Shake base and catalyst separately. Weigh equal amounts using a separate spatula for each component; a deviation of up to 5% does not change the result. Mix vigorously until the colour is uniform, scraping the bottom and sides. Degas the mixture and preferably pour from a height of about 30 cm. Demould after the cure time, using compressed air if needed. Only combine base and catalyst with the same batch number.

POT LIFE

Pot life starts when mixing begins. At 40 °C, pot life and cure time are roughly halved; at 4 °C, pot life doubles and curing takes about three times as long. You can add more silicone within 24 hours: the new layer bonds to the first.

SHELF LIFE

Usable until the date on the label when stored at 5–27 °C. Do not swap the caps of base and catalyst. Surfaces must be clean, grease-free and dry.

SAFETY



Base and catalyst are not classified as hazardous. Avoid contact with skin and eyes and inhalation of vapours. Wear tight-fitting safety goggles, work gloves and work clothing, and ensure good ventilation. **Consult the safety data sheet for full information.**