

# SILICONES

and more

## Polyurethane Fast Cast 160

### Description

The polyurethane Fast Cast 160 is characterized by its ease of use and multifunctional applicability (also for thinner parts), but above all by its rapid dimensional stability.

Axon Fast Cast 160 is an easy to process polyurethane of very high quality. This polyurethane with a mixing ratio of 1: 1 does not give off any oil during setting (hardening).

After curing, the polyurethane is ideal for painting, drilling, sawing, milling and grinding. The Fast Cast 160 is characterized by simple operation and multifunctional applicability (also for thinner parts), but above all by its rapid dimensional stability. After the curing time of 30 minutes, the polyurethane can therefore no longer be bent. This polyurethane is ideal in combination with our polyurethane / epoxy dyes. Because the polyurethane has such a low viscosity, a relatively large amount of filler can be added.

### Processing properties

- Mixing ratio by weight: A: B = 1: 1
- Pot life at 20 ° C: 150 seconds
- Curing time at 20 ° C: 30 minutes \*
- Last specific characteristics: 24 hours
- Hardness: Shore D 82
- Color beige

\* The above values apply to a mixture with a total volume of 250 ml. The processing time is shortened for larger volumes and / or an ambient temperature of more than 20 degrees.

### Processing

Add the A and B components in the correct proportions (weight: A: B = 100: 100) and mix well. If necessary, add a polyurethane dye and mix again until an even color is obtained. The polyurethane can now be poured. The Fast Cast 160 has a working time of 150 seconds and can be demolded after 30 minutes. The final properties are achieved after the resin is fully cured (24 hours). Optionally, you can add a filler to the mixture, for example to make the polyurethane heavier or lighter.

### Important

Since the Fast Cast 160 has a short processing time, it is important not to process too much at once. Use a large mixing bucket to maximize the life of the pot. The moisture absorbers in these products can settle and must be mixed again before use. This can be achieved by shaking the packaging vigorously before use. Polyurethane (in liquid form) is very sensitive to moisture (including high humidity).

### Durability

This Polyurethane is best stored in a dry place between 6°C and 28°C. Opened packages should be processed as quickly as possible to ensure product quality. The shelf life of well-closed containers in the manner indicated is usually 6 months.

### Safety

In liquid form this product is harmful to your health. Avoid skin contact with either component. Vapors of this product may cause respiratory irritation with prolonged or frequent use. When handling this product, wear protective gloves. Always work in a well ventilated area.

Wear a mouth mask when finishing or cutting the hardened poly urethane, while dust is dangerous too.

For further information see Safety Data Sheet.

## Characteristics

- Fast casting system
- 2 minutes processing time
- Completely dimensionally stable after 20 minutes
- Very little shrinkage
- Very liquid, also filled
- Mixing ratio 1: 1
- High level possible

