ALWA

RESIN SYSTEMS & POROUS SLABS

ADDITION-CURING SILICONE RUBBERS

ALWA SIL SH22 & SH33

Silicone rubber ALWA SIL SH 22 and SH 33 are silicone impression materials. These materials have extremely high mechanical values. In addition, they are very fast to handle and very easy to handle as well.

The two-component silicone rubbers cure at room temperature. After mixing the two components, a low-viscosity liquid develops, which crosslinks to a resistant and rubber elastic material. During the crosslinking, no exothermic heat is developed. When max. 1.5 % thixotropic agent per component is added, a spreadable mixture is obtained. If too much of the thixotropic agent is used, the silicone might not cure at all.

Area of application

- Flexible casting moulds
- Copy moulds
- Moulds with undercuts
- Polyurethane casting moulds
- Concrete casting moulds

Technical data at RT:

Characteristic	SH22	SH33
Silicone type	Addition	Addition
Hardness (shore A) Test time: after 12 hours Test specimen: 65 x 65 x 6 mm	~ 20 – 25	~ 30 – 35
Mixing ratio (%)	100 : 100	100 : 100
Colour	Blue	Translucent, red, blue, green
Pot life at 20 °C – 22 °C (min.)	~ 18 – 25	~ 20 – 25
Time to demoulding at 20 – 22 °C (hrs.)	~ 1 – 2	~ 2 – 3
Viscosity (mPa s)	~ 3.500± 1.000	~ 4.500 ± 1.000
Tear-strength (kgf/cm)	~ 18 – 31	~ 11 - 17
Tensile strength (kgf/cm²)	~ 45 – 75	~ 60 - 90
Elongation (%)	≥ 400	≥ 350
Shrinkage (%)	≤ 0.1	≤ 0.3
Temperature resistance (°C)	~ 220	~ 220