

RECKLI[®] Si-Compound 21 AV

RECKLI[®] Si-Compound 31 AV

Properties

Pourable two-component silicone rubbers, addition cure, cold curing, self-releasing, highly elastic, identical reproduction of even the finest surface details. By adding RECKLI Si-Thickener Liquid AV (0.1 - 1%) a pasty or brushable consistency can be achieved. Under high temperatures the pot life and the period of time of the earliest demoulding will be reduced strongly.

Application

The manufacture of highly elastic moulds of dimensional accuracy with full-cast or jacket-cast method for the reproduction of replicas made of plaster, cement mortar, concrete, plastic resins and composit resins.

Caution! RECKLI Si-Compounds 21 AV and 31 AV are not compatible with heavy metal and sulphur materials or products containing amine (eg. condensation cure silicones, polyurethanes, rubbers, different kinds of natural products). Any contact with these substances causes the inhibition of the cold curing. A preliminary test is essential, especially for unknown surfaces.

Caution! RECKLI Si-Compounds 21 AV and 31 AV are not absolutely resistant to polyester and PMMA resins. A preliminary test is essential.

Surface

See separate pamphlet "General Surface Pretreatment Advices when using One- or Two-Component RECKLI Resins".

Processing

See separate pamphlet "General Processing Advices for RECKLI-Two-Component Resins".

Method of processing

Pouring, brushing or puttying.

Cleaning of equipment

Before material has cured, clean equipment thoroughly with RECKLI EK-PU-Thinner, simply placing equipment in thinner is not sufficient. When hardened, the material can be removed from tools due to the self-releasing effect.

Technical data	21 AV	31 AV
Hardener type:	21 AV	31 AV
Colour of hardener:	translucent	translucent
Colour of base component:	white	white
Mixing ratio (in parts by weight):	10 : 1	10 : 1
Viscosity of the base component (ISO 2555):	15000 mPa.s	25000 mPa.s
Viscosity of the mixture (ISO 2555):	6000 mPa.s	10000 mPa.s
Working temperature:	+10° C - +30° C	+10° C - 30° C
Potlife 200-g-mixture (at 21° C)	90-120 mins	90-120 mins
Earliest stripping (at 21° C):	24 hrs	24 hrs
Shore-A hardness (DIN 53505):	21	31
Specific gravity:	1.30 g/cm ³	1.35 g/cm ³
Linear shrinkage:	0.1-0.2%	0.1-0.2%
Tensile strength (DIN 53504-S2):	2.1 N/mm ²	2.6 N/mm ²
Elongation at break (DIN 53504-S2):	300%	200%
Tear resistance (ASTM D 624-B):	13 N/mm	12 N/mm
Heat resistance:	+160° C	+160° C
Odour:	neutral	neutral

These data are typical guide values. They are not destined for the generation of specifications.

Drum sizes

Double drums, hardener in drum lid
5-kg; 1-kg.

Storage

Unopened drums may be kept in closed stores at +18° C for 6 month from date of delivery. Also see "General Processing Advices for RECKLI-Two-Component Resins".

Safety

Protect skin and eyes from material splashes. Please consult the relevant safety data sheet and attend to the indications on the label of the drum regarding Dangerous Goods Regulations.

This pamphlet is intended solely as an application directive. It does not claim to be binding and valid for all modes of application. We recommend the carrying out of a preliminary test application relevant to full scale application every time.

This pamphlet replaces all hitherto published pamphlets concerning RECKLI Si-Compounds 21 AV and 31 AV.