EUROSIL SILIGLASS

Technical Data Sheet

1. DESCRIPTION AND MAIN FEATURES

Eurosil Siliglass is a bi-component (base and catalyst) addition RTV silicone rubber that vulcanizes at room temperature. The main property of the product to be vulcanized is its remarkable fluidity.

2. MAIN FIELDS OF APPLICATION

Eurosil SiliGlass has been developed for special effects such as Special Glass effects. This glass clear rubber materials is made to shatter like real glass.

3. INSTRUCTIONS FOR USE

Take the two components supplied by Schouten Group (base and catalyst) and shake before use in order to homogenize each component prior to mixing. Weigh an equal amount of catalyst and base (e.g. 100 grams of catalyst and 100 grams of base; within a max 5% error range the results will not change). Please keep in mind that the exact proportions 1:1 must be respected in order to guarantee the final characteristics of the product. Once the products are weighted in equal quantities, base and catalyst must be put on a clean, free of grease and dry surface or container and mixed thoroughly. Important note: the platinum catalyst is in the component CATALYST. Catalyst and Base components may only be used together if they have the same batch number.

While mixing, it is important to check that no residue is left behind and that the entire quantity of product is completely mixed. Mix energetically until the blended color is homogeneous. Once the product is thoroughly mixed, it is ready to be casted and we recommend pouring the silicone from a 30 cm height into the mold.

The working time WT (see table below, also known as “pot life”, is the recommended time period for mixing/vacuuming prior to use. Please pay attention that some Sulphur/Tin/Nitrogen containing products could inhibit the product. Make a small test first.

The reported WT shown in the table refers to a standard temperature of 23°C. We recommend using vacuum to eliminate any air bubbles. The setting time ST (see table below) is the time it takes for the silicone to harden from the beginning of mixing. The reported ST shown in the table refers to a standard temperature of 23°C. After the ST is complete, the model can be separated from the mold, Demould time. If necessary, use compressed air to facilitate this separation. Do not use any tools to force the separation of the model from the mold.

Effects of temperature on setting and working times: The working time and setting time are reduced if the temperature exceeds 23°C (e.g. if the temperature is 40°C, the working time and setting time are approximately halved). If the temperature is less than 23°C, the working time and setting time increase considerably. Cured Silicone properties are guaranteed within temperatures ranging from a minimum temperature of - 40 °C to a maximum temperature of +200°C.

4. IMPORTANT RECOMMENDATIONS

The exact proportions 1 : 1 must be respected to obtain the correct times and not to alter the final characteristics of the product. The surfaces with which the material enters in contact must be perfectly clean, free of grease and dry. NB: before use, we recommend the two components be homogenized so as to avoid sedimentation.

5. CHEMICAL AND PHYSICAL PROPERTIES

Mixing ratio	1 : 1
Density of the Base component	0,98 g/cc
Density of the Base component (USA System)	61,18 lb/ft
Viscosity of pre-catalyzation mixture	200 cP
Colour	Transparent
Working time at 23 °C (73 °F) WT	75 min
Setting time at 23 °C (73 °F) ST	8 hrs
Shore A hardness after 24 hours	25± 1 sh “A

6. AVAILABLE PACKAGES

Set 2 kg (1 kg + 1 kg), Set 10 kg (5 kg + 5 kg), Set 400 kg (200 kg + 200 kg) - (component A + component B)

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7. SAFETY DATA SHEETS

The preparation is not to be considered hazardous in accordance with directive 88/379/CEE and subsequent amendment. Before handling the product, read the safety data sheet and make sure to get all the information

8. SHELF LIFE

Eurosil SiliGlass clear is guaranteed for a period of 18 months if stored correctly at a temperature between 5° - 27°C (41° - 80°F). The “Best use before end” date of each batch is shown on the product label. Close the bottles/canisters after use, do not invert the caps or lids between the base and catalyst. Storage beyond the date specified on the label does not necessary mean that the product is no longer usable. In this case, however, the properties required for the intended use must be checked out for quality assurance reasons.

IMPORTANT OBSERVATIONS: The advice given verbally, in writing or through demonstrations on the use of the products are based on our knowledge. The use and application of the product by the user lie beyond the control of the company and are therefore the user’s own responsibility.