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Cod. Fis./Part. IVA 07007360964
N° Iscr. C.C.I.A.A. 07007360964

MV013-SILICONE

SILICON RUBBER FOR BICOMPONENT ADDITION

Description and main features

MV013-SILICONE is a RTV (Room Temperature Vulcanising) silicone rubber for bi-component addition (base and catalyst) that vulcanizes at room temperature, particularly suitable for the duplication of complex molds with particular undercuts; suitable for reproduction in plaster, cement, wax and resin.

The main properties of the vulcanized product concern:

- the high chemical resistance to aggressive components of some types of resins;
- good resistance to tearing (this characteristic guarantees high resistance to wear and tear);
- the high degree of fidelity to reproduction;
- high dimensional stability over time and non-deformability;
- the remarkable resistance to high temperatures and aging;
- the excellent non-stick effect.

Main fields of application

- Mold making
- Ceramics
- Pad printing

Instructions for Use

- Make sure that the model to be duplicated is dry and perfectly clean.
- Shake the bottles of the individual components before use.
- In a measuring container, weigh exactly the same amount of part A and part B.
- Mix the two components thoroughly for about 60", until a homogeneous color is obtained (make sure that no unmixed residues remain on the bottom and walls of the container).
- Pour the product slowly and preferably from a height of about 30 cm.
- It is recommended to make a vacuum.

Important recommendations

The exact proportions 1: 1 (part A / part B) must be respected to obtain the correct times and not to alter the final characteristics of the product. The surfaces with which the material comes into contact must be absolutely clean, degreased and dry.



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Chemical and physical characteristics

Part A color [catalyst]	White
Part B [base] color	Orange
Viscosity part A	5000 cPs
Viscosity part B	5000 cPs
Mixing ratio part A / part B	1: 1
Specific weight	1.11 g / cc
Workability time (@ 23 C)	≈ 25 min.
Hardening time (@ 23 C)	≈ 120 min
Hardness after 24h	11 ± 2 sh "A"
Tear resistance	16 ± 2 N / mm
Tensile strength	3 ± 0.4 N / mm ²
Elongation at break	500 ± 580%

Storage

MV013-SILICONE is guaranteed for a period of 12 months if stored correctly between 5 ° - 27 ° C
Close the bottles after use, do not invert the caps or lids between part A and part B

The above recommendations are provided to the best of our knowledge, after careful consideration. We guarantee the quality of our products according to our specifications. Any further liability cannot be accepted as the correct application of our products is beyond our control.