

GLOBALSIL AL/TIX

INTRODUCTION

Two component room temperature vulcanising hand-mouldable silicone rubber which cures with addition of the appropriate CATALYST P (gel), according to poly-condensation process.

GLOBALSIL AL/TIX is suited for vertical-positioned casting of patterns and surfaces of every size.

Flexible casts realized have high mechanical resistance, no discernable shrinkage and are easy to sand in order to obtain a perfect finish.

TECHNICAL PROPERTIES

(at +20°C and 60% R.H.)

Appearance	: white paste
Mixing ratio (A+B)	: 100 + 3/5 parts in weight (CATALYST P)
Pot life (minutes)	: 30
Demoulding time (hours)	: 15 – 16
Linear shrinkage, after 5 days ageing (%)	: 0.5 max. (ISO 4823)
Specific gravity (Kg./dm ³)	: 1.420 ± 0.03
Hardness (Shore A)	: 30± 3 (DIN 53505)
Elongation at break (%)	: 260 ± 20 (DIN 53504 – SA3)
Tensile strength (N/mm ²)	: 3 ± 0.3 (DIN 53504 – SA3)
Tearing strength (N/mm)	: 7 ± 0.5 (ASTM D624 mould B)
Flame resistance	: self extinguishing (ASTM 1692)
Shelf life	: 1 year, stored in their original tightly closed containers at temperatures in the range from +5°C to +30°C.

REPRODUCTION OF VERTICAL SURFACES WITH CASTS MADE OF RTV/AL-10, RTV/AL-20 OR RTV/AL-TIX SILICON RUBBERS

1) Remove dust, traces of earth, debris and contaminating substances from surfaces. In case of high porous surfaces, use a wax-based release agent like GLOBALWAX 200, Vaseline oil or soapy water.

2) After catalysis with 5% of CATALYST Y4 has been accomplished, make RTV/AL-10 or RTV/AL-20 SILICON RUBBER brushable by adding and carefully homogenising 2-3% in weight of TIXAD (tixotropic agent) and then apply an approx. 2 mm.-thick rubber-coat on surface to be reproduced.

During application of RTV/AL-10 or RTV/AL-20 SILICON RUBBER, take the maximum care to allow its penetration in all undercuts of pattern to be reproduced.

3) When RTV/AL-10 or RTV/AL-20 SILICON RUBBER coat has lost its tackiness, mix manually an adequate quantity of RTV/AL-TX SILICON RUBBER, catalysed with 3-5% of CATALYST P (gel), in order to obtain colour's uniformity.

Apply this material (shaping it by hand) on pattern's surface to be reproduced with a thickness of 1 – 3 cm., according to pattern's complexity.

4) Cast should be carefully demoulded from pattern's surface after 24 hours (at +25°C and 60% R.H.).

NOTE. The information given to users is based on our best experience. However, because of the many possible applications, which are outside of our knowledge and control, we cannot accept liability for loss or damage resulting from reliance upon such information.