

RTV TIXO SILICON LIQUID RUBBER TO APPLY BY BRUSH

This rubber is used instead of mouldable rubbers, to reproduce great objects such as statues, architectural elements, and big bas-reliefs. The advantages are a saving of material, as the moulds obtained are thinner, quick application and good reproduction of details. The rubber is smooth and thixotropic, so it can be applied also in vertical using a brush, and obtain different thicknesses just making more layers or adding the THIXOTROPIC AGENT GSC.

General hints:

The base rubber is a light-grey paste, while the catalyst TIXO BLU is a liquid to be added in 5% ratio to the rubber. Mix the two components carefully using a spittle, to obtain a light blue colour blend, which has a pot-life of 15 minutes. Realize a first layer using the brush, making sure that the rubber penetrates in every detail. When all the surface of the object is covered, realize a second layer, to obtain a 2mm of thickness at least. To have a thicker mould, proceed gradually in the same way. For great dimension moulds, we recommend to reinforce the rubber with some gauze, to increase the braking stress. The gauze should be put in pieces during the second layer, and then covered by the rubber. RTV TIXO can also be used as a first layer for very detailed models, and then covered with the rubber for casting (GLS50), so to avoid the air bubbles. As this kind of rubber requires the construction of a support, i.e. a plaster or glass fibre head cup, we recommend to create a very regular and smooth external surface, so to easily detach the head cup from the mould.

Components properties:	COMP. A	COMP. B
COLOUR	Light grey	Blue
APPEARANCE	Viscous liquid	Liquid
SPECIFIC WEIGHT	1,25	1,1
VISCOSITY (mPa s, 23°C)	<> 10.000	<> 150

Ratio A/B

100 gr A / 5 gr B

Blend properties:

COLOUR	Light blue
POT LIFE (23°C)	15 minutes
COMPLETE CURE	3 hours

Properties after curing:

Hardness Shore A (96 hours)	20 points
Breaking elongation	11kN/mt
Breaking stress	2,5 Mpa
Tear strength	350%
Linear shrinking	< 0,5%

Benefits:

Low linear shrinking, good mechanical properties, low costs, easily to apply in vertical surfaces.



Ideas and creative solutions

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