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TIXO 3H A+B (TRECOSIL RTV) 2-Part Moulding Rubber

Introduction

TIXO 3H A+B is a two-component room temperature condensation curing silicone compound.

The cured product is a hard rubber with high mechanical properties and good shelf-life stability. It is an excellent rubber for mould-making of intricate patterns on vertical surfaces, skin moulding and applications demanding an extremely tough rubber on vertical surfaces.

Key Features

- Fast cure
- No inhibition
- High tear strength
- Dimensional stability
- Application on vertical surfaces
- Good chemical resistance to resins (PE-PU-Epoxy)

Use and Cure Information

The curing process starts as soon as the catalyst is added. Under normal conditions of temperature and humidity, typical curing characteristics are described below. Once cured, if the product is to be used in contact with aggressive chemicals, such as high styrene polyester resins or epoxies, it is recommended that the rubber be allowed to cure for 24 hours before use.

How to Use

Charge 100 parts by weight of Tixo 3H A and 5 parts by weight of Tixo 3H B into a suitable plastic or metal container.

Mix thoroughly. After approx. 30 seconds of mixing, the product will become thixotropic. Continue to mix until the colour contrast between the base (beige) and the catalyst (green) disappears in order to achieve homogeneity.

Once mix is finished the product can be applied on the model using a brush or a spatula

Property

Uncured Product

Property	Test Method	Value
Colour:		Beige/Green
Appearance:		Viscous liquid
Viscosity:	Brookfield	<55000mPa.s
catalysed viscosity	Brookfield	paste
Pot Life:		≥ 45 minutes *
De-mould time		< 24 hours *

* measured at 23+/-2°C and 65% relative humidity.

Cured Elastomer

(after 7 days cure at 23+/-2°C and 65% relative humidity)

Tensile Strength:	BS903 Part A2	≥3.0 MPa
Elongation at Break:	BS903 Part A2	≥240 %
Tear Strength:	BS903 Part A3	≥8 kN/m
Hardness:	ASTM D 2240-95	23-28 Sh A
Specific Gravity:	BS 903 Part A1	1.36
Linear Shrinkage:		0.35 %
Coefficient of Thermal Expansion:		
Volumetric		714 ppm/°C
Linear		238 ppm/°C
Min. Service Temperature:		-40 °C
Max. Service Temp.:	AFS 1540B	180 °C

All values are typical and should not be accepted as a specification.

Health and Safety

Material Safety Data Sheets available on request.

Packages

Kits of 5.25 kg, 21 kg and 210 kg

Storage and Shelf Life

Expected to be 12 months in original, unopened containers below 35°C.

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