

ELASTOSIL[®] FX 20 A/B

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Room Temperature Curing Silicone Rubber (RTV-2)

Pourable, addition-curing RTV-2 silicone rubber that cures at room temperature.

Main application: Special effects for movies and theatre productions

Life molding

Body parts

Fat make up and wounds

Prosthetic effects

Soft robotics

Second skin applications



Properties

- Very good flow ability and self-deaeration
- Shore A 20
- Easy to meter and mix due to 1:1 ratio
- Short curing time at room temperature
- Translucent
- Easy to color with common colors for special effect applications
- Good bonding to top coats like Glatzan, Super Baldiez or similar products
- Adjustable in Thixotropic with ELASTOSIL[®] FX Thixo
- Adjustable in hardness and tackiness with ELASTOSIL[®] FX Softener

Specific features

- Addition-curing
- Fast curing
- Low viscosity
- No shrinkage
- Two-component

Technical data

Properties Uncured

Property	Condition	A	B	Method
Color	-	translucent	translucent	-
Density	23 °C	1.10	1.10	ISO 2811
Viscosity, dynamic after stirring	23 °C	6000 mPa·s	6000 mPa·s	ISO 3219

These figures are only intended as a guide and should not be used in preparing specifications.

Catalyzed

Property	Condition	Value	Method
Color	-	translucent	-
Mix ratio	-	1:1 pbw	-
Pot Life up to 100000 mPpas	-	8 - 12 min	-
Demoldable at 23 °C after	-	45 min	-

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Properties Cured

after 24 hours at 23 °C

Property	Condition	Value	Method
Hardness Shore A	-	20	ISO 868
Tensile strength	-	> 5.5 N/mm ²	ISO 37
Elongation at break	-	> 600 %	ISO 37

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All the information provided is in accordance with the present state of our knowledge. Nonetheless, we disclaim any warranty or liability whatsoever and reserve the right, at any time, to effect technical alterations. The information provided, as well as the product's fitness for an intended application, should be checked by the buyer in preliminary trials. Contractual terms and conditions always take precedence. This disclaimer of warranty and liability also applies particularly in foreign countries with respect to third parties' rights.

Observe local/state/federal regulations.

Applications

- Special FX Molding

Application details

Special effects for movies and theatre productions

- Life molding
- Body parts
- Fat make up and wounds
- Prosthetic effects
- Soft robotics
- Second skin applications

Processing

Important note:

The platinum catalyst is contained in component A.

Caution

A and B components may only be used together if they have **the same batch number**.

To ensure optimum flow of the material, the components must be stirred thoroughly before they are removed or processed in their containers.

Comprehensive instructions are given in the Flyer and User Guide for the ELASTOSIL® FX product range.

Please check also our brochures and info sheets

Packaging and storage

Storage

ELASTOSIL® FX20 A/B is best stored between 5 °C and 30 °C in the tightly closed original container. The 'Best use before end' date of each batch appears on the product label. Storage beyond the date specified on the label does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.

Safety information Components A and B of the addition-curing grade ELASTOSIL® FX20 A/B contain only constituents that over many years have proved to be neither toxic nor aggressive. Special handling precautions are therefore not required, i. e. only the general industrial hygiene regulations apply. Detailed safety information is contained in each Material Safety Data Sheet, which can be obtained from our sales offices.

Additional information

Please visit our website www.wacker.com

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QR Code ELASTOSIL® FX 20 A/B



For technical, quality or product safety questions, please contact:

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