

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 flowability 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 behaviour with WACKER[®] Stabilizer 43
- Adjustable in hardness and tackiness with ELASTOSIL[®] FX Softener

Specific features

- Addition Curing
- Fast curing at room temperature
- Flowable
- Low viscosity
- No chemical shrinkage
- Suitable for skin contact
- Two-component

Technical data

Properties Uncured

Property	Condition	A	B	Method
Color	-	translucent	translucent	-
Density	23 °C	1.10	1.10	DIN EN ISO 2811-1
Viscosity, dynamic after stirring	23 °C	5000 mPa·s	4000 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 mPa·s	-	8 - 12 min	DIN EN ISO 2555
Demoldable at 23 °C after	-	45 min	-

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Properties Cured

after 24 hours at 23 °C

Property	Condition	Value	Method
Tear strength	-	25 N/mm	ASTM D 624, Die B
Hardness Shore A	-	20	DIN ISO 48-4
Tensile strength	-	> 6 N/mm ²	ISO 37 type 1
Elongation at break	-	> 750 %	ISO 37 type 1

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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.

Applications

- Insoles, Orthoses & Pelottes
- Orthotics & Prosthetics

- 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
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Processing

Detailed instructions for preparation and use are given in the brochure "Room Temperature Vulcanizing (RTV) Silicones - Material and Processing Guidelines".

Important note:

The platinum catalyst is in **component A**.

Caution:

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

Packaging and storage

Storage

The 'Best use before end' date of each batch is shown 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 notes

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. They are available on request from WACKER subsidiaries or may be printed via WACKER web site www.wacker.com.

QR Code ELASTOSIL® FX 20 A/B



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

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