

SILBIONE RTV 4320 A-B/4335 A-B/4345 B

Description The **SILBIONE RTV PASTES** for Footcare Applications - Addition Cure are two components silicones elastomers which cure at room temperature by an addition curing reaction (ration 1:1).

Examples of applications These products are used for the manufacturing of orthopaedic insoles and heel spurs.

- Key benefits**
- Low linear shrinkage
 - Good mechanical properties
 - No release of toxic substances before and after polymerization
 - Excellent compromise between hardness and resistance to tearing
 - Good mould release properties

Typical properties

1. Characteristics of the non cured products

Properties	RTV 4320	RTV 4320	RTV 4335	RTV 4335	RTV 4345
	A	B	A	B	B
Appearance	Paste	Paste	Paste	Paste	Paste
Colour	Whitish	brown	White	White Pink	Beige
Specific gravity g/cm³	1.4	1.4	1.5	1.5	1.4

2. Polymerization

SILBIONE RTV A.....100 parts
 SILBIONE RTV B.....100 parts

Properties	RTV 4320	RTV 4335	RTV 4345
Total working time *Minutes at 23°C	2'	2'30"	2'
Setting time *minutes	4'	5'	4'

Remark (*): Higher temperatures reduce the times, lower temperatures extend the times.

3. Cross linked product

On a 6 mm thick specimen

Properties	RTV 4320	RTV 4335	RTV 4345
Shore A Hardness after 24 hours (ASTM D 2240/C) pts approx.	20	35	45

Properties measured at 23°C, 24 hours after polymerisation, on a 2 mm thick film

Properties	RTV 4320	RTV 4345
Tear strength (ASTM D 624/T.B), KN/m	7	8.7
Elongation at break (ASTM D 412 T.C), %	200	300

Please note: The typical properties are not intended for use in preparing specifications. Please contact our local Sales Department for assistance in writing specifications.

Instruction of use Add 100 parts of **SILBIONE RTV A** to 100 parts of **SILBIONE RTV B**.
 Mix thoroughly the two components by hand until a homogeneous colour is obtained.

SILBIONE RTV 4320 A-B/4335 A-B/4345 B

Mix gently in order to avoid air bubbles from being entrapped.
 Warning: Handle with vinyl gloves. For mixing use only clean stainless steel or plastic vessels.
 Crosslinking of RTV vulcanising by an addition cure reaction may be inhibited by contact with products like:

- latex gloves
- heavy metal salts
- amines
- sulphur and derivatives
- catalysts of epoxy resins

Regulation Extensive toxicology testing on SILBIONE® products has demonstrated their adequate biocompatibility and suitability for the recommended applications. SILBIONE RTV 4320 A, SILBIONE RTV 4320 B, SILBIONE RTV 4335 A, SILBIONE RTV 4335 B NEUTRAL, SILBIONE RTV 4335 B SKIN and SILBIONE RTV 4345 B satisfies regulatory requirement in several countries and complies with a number of medical and pharmaceutical regulations. Contact Elkem Silicones for more detailed information.

Limitations Please consult your local ELKEM SILICONES sales office.

- Packaging**
- SILBIONE RTV 4320 A is available in
 - Drum of 25 KG (55.13 LB)
 - SILBIONE RTV 4320 B is available in
 - Drum of 25 KG (55.13 LB)
 - SILBIONE RTV 4335 A is available in
 - Drum of 25 KG (55.13 LB)
 - SILBIONE RTV 4335 B NEUTRAL is available in
 - Drum of 25 KG (55.13 LB)
 - SILBIONE RTV 4335 B SKIN is available in
 - Drum of 25 KG (55.13 LB)
 - SILBIONE RTV 4345 B is available in
 - Drum of 25 KG (55.13 LB)

Storage and shelf life When stored in its original packaging:

SILBIONE RTV 4320 A may be stored at a temperature below 40°C / 104°F for up to 12 months from its date of manufacturing.

SILBIONE RTV 4320 B may be stored at a temperature below 40°C / 104°F for up to 12 months from its date of manufacturing.

SILBIONE RTV 4335 A may be stored at a temperature below 40°C / 104°F for up to 24 months from its date of manufacturing.

SILBIONE RTV 4335 B NEUTRAL may be stored at a temperature below 40°C / 104°F for up to 24 months from its date of manufacturing.

SILBIONE RTV 4335 B SKIN may be stored at a temperature below 40°C / 104°F for up to 24 months from its date of manufacturing.

SILBIONE RTV 4345 B may be stored at a temperature below 40°C / 104°F for up to 24 months from its date of manufacturing.

Comply with the storage instructions and expiration date marked on the packaging. Beyond this date, Elkem Silicones no longer guarantees that the product meets the sales specifications.

Safety Please consult the Safety Data Sheet of:
 SILBIONE RTV 4320 A, SILBIONE RTV 4320 B, SILBIONE RTV 4335 A, SILBIONE RTV 4335 B NEUTRAL, SILBIONE RTV 4335 B SKIN and SILBIONE RTV 4345 B

Visit our website www.elkem.com/silicones/

Warning to the users
 The information contained in this document is given in good faith based on our current knowledge. It is only an indication and is in no way binding, particularly as regards infringement of or prejudice to third party rights through the use of our products. ELKEM SILICONES guarantees that its products comply with its sales specifications.

SILBIONE RTV 4320 A-B/4335 A-B/4345 B

This information must on no account be used as a substitute for necessary prior tests which alone can ensure that a product is suitable for given use. Determination of the suitability of product for the uses and applications contemplated by users and others shall be the sole responsibility of users. Users are responsible for ensuring compliance with local legislation and for obtaining the necessary certifications and authorisations. Users are requested to check that they are in possession of the latest version of this document and ELKEM SILICONES is at their disposal to supply any additional information.